



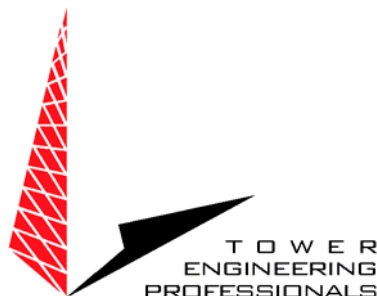
FCC NEPA ENVIRONMENTAL ASSESSMENT 300-FT PROPOSED SELF SUPPORT TOWER

SITE NAME: BETHEL HILL

**CLAUDE HALL ROAD
ROXBORO, NC 27574
(PERSON COUNTY)**

**LATITUDE: N36° 30' 28.825" ±
LONGITUDE: W78° 55' 4.903" ±**

**DATE INSPECTED: MARCH 18, 2015
DATE NEPA-EA ISSUED: MAY 9, 2016**



NEPA Environmental Assessment

Bethel Hill Site

Person County Emergency Services

Person County, North Carolina

May 9, 1016

Prepared for:



Mr. Ray Foushee
Person County General Services
304 S. Morgan Street
Roxboro, NC 27573

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1.0 INTRODUCTION

Person County Emergency Services, in accordance with the Federal Communications Commission (FCC) and the National Environmental Policy Act (NEPA), has contracted Tower Engineering Professionals, Inc. to prepare an Environmental Assessment (EA) for a proposed 300-ft (320-ft with appurtenances) self-support communications tower identified as Bethel Hill, located north of a portion of Berry Hill Road, northeast of a portion of Claude Hall Road, and west of a portion of Bethel Hill School Road, and north-northeast of the City of Roxboro, in Person County, NC. Per 47 CFR Section 1.1308, all applicants shall prepare an EA for actions that may have a significant environmental impact. Access to the proposed irregularly shaped Person County tower compound will be provided by an approximately 1,600-ft long by 25-ft wide access & utilities easement that will utilize portions of an existing road which spans a jurisdictional surface water feature. Person County is proposing to replace, upgrade, and lengthen an existing 12" diameter corrugated metal pipe culvert that is located along the aforementioned surface water feature. The new culvert will consist of a 36" diameter x 65' long reinforced concrete pipe that will be located within the existing stream channel. Additionally, the existing earthen drive will be graded and elevated in the proximity of the existing drainage feature due to access drive grade requirements for local emergency service providers. This EA addresses the proposed surface feature impacts associated with the Bethel Hill tower site.

1.1 Project Description

The proposed development on the subject site includes the construction of a 300-ft Self Support tower (320-ft AGL w/appurtenances) and 11.5-ft x 19-ft equipment shelter within an irregularly shaped chain link fenced and gravel compound. The proposed tower site is currently occupied by forested land uses. The proposed tower and the associated ground equipment will be located entirely within a chain link fenced compound, which will be improved by the placement of crushed stone (gravel) over a non-woven geotextile fabric to a depth of approximately 6-inches. Access to the site will be provided by a proposed 25-ft wide access & utility easement that will proceed north-northeast from a portion of Claude Hall Road for approximately 1,600-ft along an existing earthen road and through a fallow agricultural field until reaching the proposed irregularly shaped compound.

Person County is proposing to replace, upgrade, and lengthen an existing 12" diameter corrugated metal pipe culvert that is located along an unnamed tributary of Bamboo Branch. The new culvert will consist of a 36" diameter x 65' long reinforced concrete pipe that will be located within the existing stream channel. Additionally, the existing earthen drive will be graded and elevated approximately 5-8 feet in the proximity of the existing drainage feature due to access drive grade requirements for local emergency service providers. The proposed Person County fenced compound and 25-ft wide access & utility easement, including an approximately 45-ft x 25-ft turnaround, will occupy approximately 42,000-ft² (~0.98-acres) of an existing earthen road, fallow agricultural field,

and forested land uses (see Appendix H – Pertinent Construction Drawings).

1.2 Site Location

The proposed tower site is located north of a portion of Berry Hill Road, northeast of a portion of Claude Hall Road, and west of a portion of Bethel Hill School Road, and north-northeast of the City of Roxboro, in Person County, NC. The site will be located on a parcel of land identified as PIN # 0020-00-33-6533.000 by the Person County, NC Tax Assessors Office. The proposed tower centerline will be located at N 36° 30' 28.825" Latitude and W 78° 55' 4.903" Longitude (NAD 83) as reported in the 1-A Certification of Location and Elevation dated March 18, 2015 and completed by TEP. The site is located within the Cluster Springs, Virginia/North Carolina Quadrangle, as shown in Appendix A. See Figure 1 and 2 for the Site Vicinity Map and 1-A Certification of Location and Elevation, respectively.

2.0 PROJECT INFORMATION

2.1 Site Selection

The proposed tower location was chosen by Person County in an attempt to provide suitable radio frequency coverage for emergency services providers in Person County. Voice Interoperability Plan for Emergency Responders (VIPER) network tower site locations are selected in an effort to provide increased coverage for federal, state, and local emergency responders utilizing the VIPER network, facilitate reliable interoperable communications among first responders, and provide enhanced security and facility control in the surrounding area. The proposed Bethel Hill site is located within a portion of Person County determined to provide suitable radio frequency coverage for the surrounding area and meets the desired site selection criteria described above. Additionally, due to requirements associated with the funding of the project the proposed tower must be placed on state or county owned land.

2.2 Local Community Issues

The proposed tower site and access & utility easement is currently occupied by an existing earthen road, fallow agricultural field, and forested area. George Swearingen, Environmental Manager of Tower Engineering Professionals, Inc. (TEP) with the assistance of Terri Russ of Environmental Services, Inc. (ESI) completed the correspondence with the North Carolina State Historic Preservation Office (SHPO) regarding Cultural Resources listed on or eligible for listing on the National Register of Historic Places within the 0.75-mile Area of Potential Effect (APE). Research conducted by ESI and provided to TEP in the form of an Archaeological Assessment indicated that “no archaeological sites were documented within the proposed cell tower compound or access easement.”

TEP was not made aware of complaints involving the local community associated with the proposed tower site. A Public Notice was publicized in the “Courier-Times” newspaper on August 1, 2015. TEP has not received any comments from the public regarding the proposed undertaking as of May 9 2016. TEP sent correspondence to the Person County Planning & Zoning Department, Person County Museum of History, and Preservation North Carolina – Piedmont Regional Office on August 5, 2015; requesting any comments they may have regarding the proposed undertaking. No responses have been received to date.

2.3 Alternatives Considered

One alternative was considered for the proposed tower site. In an effort to prevent impacts to the existing water feature, Person County proposed to access the tower site from the north, utilizing an existing gravel drive that proceeds west-northwest from Bethel Hill School Road. However, the landowner refused to grant Person County permission to access the tower site through their parcel. Based on the limited access options provided to the property, Person County determined that the currently proposed location was the best alternative. Due to requirements associated with the funding of the project the proposed tower must be placed on state or county owned land. Based on a review of the Person County GIS online mapper, the currently proposed parent property is the only state or county owned property that meets the RF objectives associated with the proposed tower.

3.0 ASSESSMENT OF POTENTIAL IMPACTS

3.1 Designated Wilderness Areas

Based on a review of the National Wilderness Institute Map of Wilderness Areas, Wild & Scenic Rivers, National Natural Landmarks and UN Biosphere Reserves dated 1995, Wilderness.net - U.S. National Wilderness Preservation System Map, and information from the National Park Service, U.S. Forest Service, and the Bureau of Land Management, the site is not located within an officially designated wilderness area.

3.2 Designated Wildlife Preserves

Based on a review by the U.S. Fish and Wildlife Service (USFWS) and a review of the US Fish and Wildlife Service: National Wildlife Refuge System Map, dated September 30, 2004, it has been determined that the site is not in a designated wildlife preserve.

3.3 Protected Species and Critical Habitats

Based on a site inspection, a review of the listed protected species within the Cluster Springs VA/NC Quadrangle of Person County, North Carolina, as obtained from the North Carolina

Department of Environment and Natural Resources: Natural Heritage Program (NC NHP), review of the USFWS – Official Species List (Consultation Tracking Number: 04EN2000-2015-SLI-0511), and consultation with the USFWS – Raleigh Field Office and North Carolina Natural Heritage Program, the proposed action is not anticipated to have an adverse effect on known populations or occurrences of federal and state protected species of concern, high quality natural areas, or significant natural areas.

3.4 Cultural Resources

In accordance with the National Historic Preservation Act, Section 106, Ms. Renee Gledhill-Earley, Environmental Review Coordinator for the North Carolina State Historic Preservation Office, was contacted to determine the potential effect on sites and structures of historic significance within the proposed project area of potential effect. TEP completed the consultation with the NC State Historic Preservation Office, including the submittal of the completed FCC Form 620 on August 6, 2015 and received concurrence that “the proposed communication tower will not affect historic properties in the area of potential effect” on September 1, 2015. In addition, the State Historic Preservation Office and Office of State Archaeology concurred on September 1, 2015, that the tower will not have a direct effect on historic properties. See Appendix B for the North Carolina Historic Preservation Office concurrence letter.

3.5 Indian Religious Sites

Based on the responses to TCNS #129667, filed 7/27/15 and a review of available information obtained from the North Carolina Office of State Archaeology, no known Indian religious sites will be affected by the proposed undertaking. Further, based on a review of the National Park Service - Native American Consultative database and the Bureau of Indian Affairs (BIA) Indian Reservations in the Continental United States Map, dated 5/96, no federally recognized Native American Tribes or Reservations are known to be located within Person County, NC. In addition, Terri Russ of ESI conducted an Archaeological Assessment of the proposed site. The results of the assessment indicate that “no archaeological sites were documented within the proposed cell tower compound or access easement.” Based on this information, the construction and operation of the proposed communications facility is not likely to affect Indian religious sites. Further, the proposed tower is not located near or within the boundaries of any known Indian religious sites. See Appendix B for all tribal correspondence.

3.6 Floodplain Involvement

Based on the review of the pertinent Federal Emergency Management Agency (FEMA)-Flood Insurance Rate Map, (FIRM Community-Panel No. 3721002000J, dated June 4, 2007, North Carolina) the proposed tower site is not located within a flood zone as determined by FEMA. No floodplain involvement is anticipated with the proposed action.

According to the Construction Drawings dated 7-15-15 completed by TEP for Person County, surface water impacts will occur associated with the proposed 25-ft wide access & utility easement. TEP conducted an onsite inspection and stream determination for an existing surface water feature (an unnamed tributary of Bamboo Branch which is identified a “blue line” stream on the Person County GIS website) within the limits of the proposed access & utility easement on March 18, 2015. A follow-up inspection with NCDEQ personnel confirmed that the feature is a jurisdictional stream, “Water of the U.S.”, and a “Water of the State”, which will require a Nationwide 14 Permit from the U.S. Army Corps of Engineers and a 401 Water Quality Certification approval from the NC Department of Environmental Quality. See Appendix C for Agency Correspondence & Pertinent Research Information and Appendix D for the NC DWR Surface Water Determination Letter.

3.8 High Intensity White Lights

Person County submitted the proposed structure to the Federal Aviation Administration (FAA) for a determination of air navigation safety on May 5, 2015 (see Aeronautical Study # 2015-ASO-3595-OE). The FAA has determined that the proposed 300-ft tower would not be a hazard to air navigation. The FAA has also indicated that the tower will be equipped with a dual mode, medium intensity, lighting system. See Appendix G for a copy of the FAA Determination.

3.9 Human Exposure to Radio Frequency

The proposed facility will be located within a restricted area. No antennas will be located equal to or less than 10 meters AGL. The proposed Person County antennas will be located at 300-ft AGL. See Appendix H for Construction Drawings, Sheet C-3 (Tower Elevation) that depicts the proposed antenna mounting elevations.

4.0 ENVIRONMENTAL CONSEQUENCES

4.1 Surface Feature Impacts

The Person County proposed tower site identified as Bethel Hill will “involve a significant change in surface features” associated with the replacement, upgrading, and lengthening of an existing 12” diameter corrugated metal pipe culvert that is located along an intermittent stream that currently spans beneath a portion of the proposed access & utility easement. The new culvert will consist of a 36" diameter x 65' long reinforced concrete pipe that will be located within the existing stream channel. Additionally, the existing earthen drive will be graded and elevated approximately 5-8 feet in the proximity of the existing stream due to access drive grade requirements for local emergency service providers. Up to approximately 8.5-yards³ of clay

backfill material is anticipated to be utilized in the installation of the proposed culvert and approximately 70-linear feet of the surface water feature is anticipated to be impacted by the proposed culvert.

TEP, on behalf of Person County, submitted an application for Department of the Army Nationwide Permit 14 to the U.S. Army Corps of Engineers Wilmington District – Raleigh Regulatory Field Office on December 22, 2015. Additionally, TEP submitted an application for North Carolina Division of Water Resources (DWR) Water Quality Operations Section, Section 401 permits to the NC DWR – Raleigh Regional Office on December 22, 2015 associated with the proposed surface feature impacts. Mr. Donald Foushee of Person County Government received “Approval of 401 Water Quality Certification” from NCDWR – Water Quality Operations Section on February 8, 2016, for the 70 linear feet of permanent stream impact. Mr. Eric Alsmeyer, Project Manager, of the US Army Corps of Engineers – Raleigh Regulatory Field Office granted the Nationwide Permit 14 on March 15, 2016 under Action Identification Number SAW-2016-00044. See Appendices E and F – for the applicable permits.

5.0 SUMMARY AND RECOMMENDATIONS

NEPA requires that impacts resulting from a proposed action should be avoided if at all possible. If impacts cannot be avoided, then impacts should be minimized, reduced, and compensated for if an adverse impact will occur as a result of the proposed action.

Due to the geographic location of the site, surface water impacts would be necessary for any facility located on the northern portion of the parent property. In an effort to prevent impacts to the existing water feature Person County proposed to access the tower site from the north, utilizing an existing gravel drive that proceeds west-northwest from Bethel Hill School Road; however, Person County was unable to obtain legal access to the tower site from that route. Based on the limited access options provided to the property Person County determined that the currently proposed location was the best alternative. Due to requirements associated with the funding of the project the proposed tower must be placed on state or county owned land. Based on a review of the Person County GIS online mapper, the currently proposed parent property is the only state or county owned property that meets the RF objectives associated with the proposed tower.

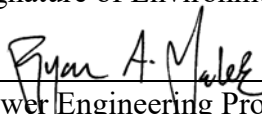
Person County has minimized and reduced potential surface water impacts to the extent possible by proposing to replace, upgrade, and lengthen an existing 12” diameter corrugated metal pipe culvert that spans beneath an existing road, along the aforementioned stream, while maintaining access road requirements imposed by the local jurisdiction. The new culvert will consist of a 36" diameter x 65' long reinforced concrete pipe that will be located within the existing stream channel, impacting approximately 70-linear feet of the surface water feature, and involving the placement of up to approximately 8.5-yards³ of clay backfill material is anticipated to be utilized

in the installation of the proposed culvert.

As the proposed disturbance is below 150 linear feet the North Carolina Department of Environmental Quality views the proposed action as having a “minor impact” on surface features, therefore, no mitigation is required. Additionally, Section 401 permits and approval were obtained from the US Army Corps of Engineers – Raleigh Regulatory Field Office granted the Nationwide Permit 14 on March 15, 2016 under Action Identification Number SAW-2016-00044 and NC Division of Water Resources – Water Quality Operations Section (2/8/2016). See Appendices E and F for applicable permits.

Tower Engineering Professionals, Inc., on behalf of Person County Emergency Services, hereby recommends a “Finding of No Significant Impact” for the proposed action.

Signature of Environmental Professional



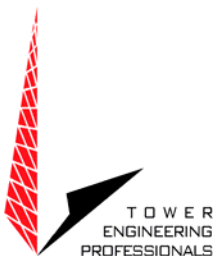
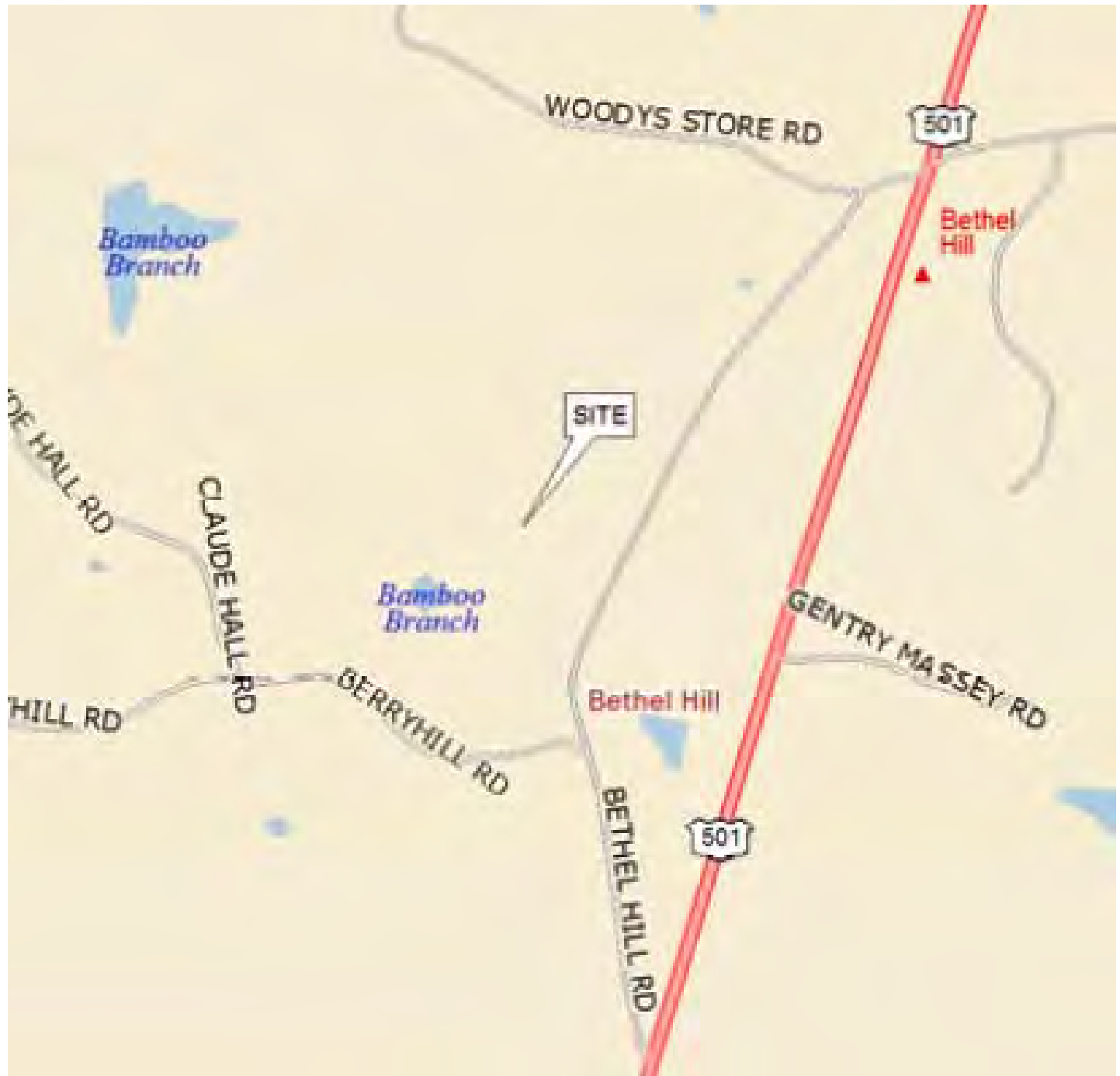
Tower Engineering Professionals, Inc.
Ryan A. Malek

May 9, 2016
Date

FIGURE 1

Site Vicinity Map

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**Tower
Engineering
Professionals**

Approx. Scale:
1:31,250

Delorme Maps
Site Vicinity Map

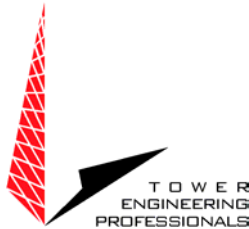
NEPA Environmental Assessment
Bethel Hill
Claude Hall Road
Roxboro, Person County, North Carolina

**Figure
1**

**Tower
Project #
57455.52033**

FIGURE 2

1-A Certification of Location and Elevation



1-A Certification of Location and Elevation

Date of Survey: 03/04/2015

Rev. 0: 03/12/2015

Prepared For: Ray Foushee
Person County
304 South Morgan Street
Roxboro, NC 27573

Site Name: Bethel Hill
TEP Job No: 57455
Structure Type: Proposed Self Support Tower
Site Address: Claude Hall Road
Roxboro, NC 27574
(Person County)

The elevations referenced hereon are based on N.A.V.D. 1988, and are accurate to within 3 feet as determined by our survey of the subject property. The values are as follows:

Elevation of Existing Ground Above Mean Sea Level: 602.1 feet (AMSL)
Elevation of Proposed Site Above Mean Sea Level: 603.4 feet (AMSL)

The horizontal values of the above referenced point, and the geodetic coordinates thereof, were established by taking multiple readings with dual frequency Global Position Satellite Receivers and are hereby certified to be within 15 feet based thereon. The values are as follows:

NAD '27 **LATITUDE:** 36° - 30' - 28.318" North
 LONGITUDE: 078° - 55' - 05.868" West

NAD '83 **LATITUDE:** 36° - 30' - 28.825" North
 LONGITUDE: 078° - 55' - 04.903" West

NAD '83 (Decimal) **LATITUDE:** 36.508006866°
 LONGITUDE: 078.918028546°



Clifford C. Byrd

Clifford C. Byrd
Professional Land Surveyor L-3782

3/10/15

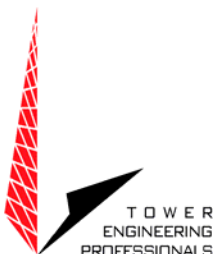
Date

APPENDIX A

USGS Cluster Springs, VA/NC

Quadrangle

N↑



**Tower
Engineering
Professionals**

Approx. Scale:
1:24,000

Delorme Maps
USGS 7.5-Minute Series Cluster Springs,
VA/NC Topographic Quadrangle

NEPA Environmental Assessment
Bethel Hill
Claude Hall Road
Roxboro, Person County, North Carolina

**Appendix
A**

**Tower
Project #**
57455.52033

APPENDIX B

FCC NEPA Checklist



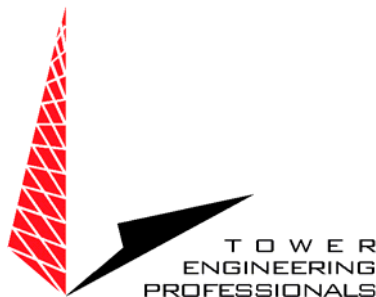
NEPA COMPLIANCE CHECKLIST PROPOSED 300-FT SELF-SUPPORT COMMUNICATIONS TOWER

SITE NAME: BETHEL HILL

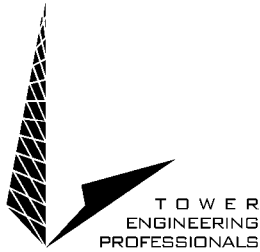
**CLAUDE HALL ROAD
ROXBORO, NC 27574
(PERSON COUNTY)**

**LATITUDE: N36° 30' 28.825" ±
LONGITUDE: W78° 55' 4.903" ±**

**DATE INSPECTED: MARCH 18, 2015
DATE NEPA ISSUED: SEPTEMBER 30, 2015**



**Project Site Specific
NEPA Compliance Checklist
Person County Government
Bethel Hill**



Ray Foushee - Director
Person County General Services
304 S. Morgan Street
Roxboro, NC 27573

Re: NEPA Checklist
Person County Emergency Services
Bethel Hill
Claude Hall Road
Roxboro, NC 27574

Mr. Foushee:

Tower Engineering Professionals, Inc. (TEP) conducted a FCC Compliance NEPA Checklist (NEPA) for the proposed fenced compound and access easement associated with the proposed **300-ft (320-ft with appurtenances) AGL Self-Support Communications Tower** for the site designated as **Bethel Hill**, and is pleased to submit the findings to Person County General Services. The proposed site is located on a parcel of real estate in **Person County, NC**. The parent property and adjoining properties were primarily occupied by agricultural, institutional, and residential land uses at the time of the site inspection.

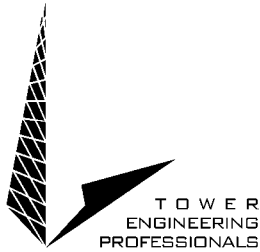
The NEPA Checklist research conducted by TEP indicates that the site is **not**: located in an officially designated wilderness area; located in an officially designated wildlife preserve; located in a floodplain; located in a residential zoned area and required to be equipped with high intensity white lights; and will **not**: adversely affect threatened or endangered species or their designated critical habitats; affect districts, sites, buildings, structures or objects listed or eligible for listing on the National Register of Historic Places; affect Indian religious sites.

According to the Zoning Drawings dated 7-15-15 completed by TEP for Person County, surface water impacts will occur associated with the proposed 25-ft wide access and utility easement. TEP conducted an onsite inspection and stream determination for an existing drainage feature within the limits of the proposed access and utility easement on March 18, 2015. A follow-up inspection with NCDEQ personnel confirmed that the drainage feature is a jurisdictional stream. Person County is proposing to replace, upgrade, and lengthen an existing 12" diameter corrugated metal pipe culvert that is located along the aforementioned tributary. The new culvert will consist of a 36" diameter x 65' long reinforced concrete pipe that will be located within the existing stream channel. Additionally, the existing earthen drive will be graded and elevated in the proximity of the existing drainage feature due to access drive grade requirements for local emergency service providers.

TEP with the assistance of Environmental Services, Inc. conducted the Section 106 of the NHPA portion of the NEPA checklist and the Native American consultation. TEP filed the proposed **Bethel Hill** tower site with the FCC Tower Construction Notification System (TCNS) on **7/27/2015** and was assigned TCNS Identification Number **129667**. TEP has received correspondence from all of the applicable tribes with known ancestral and/or aboriginal rights to **Person County, NC** as per FCC TCNS.

The results of the NEPA Checklist conducted by TEP conclude that further investigation (i.e. NEPA Environmental Assessment) is warranted and recommended for the Bethel Hill tower site. Due to the

September 30, 2015

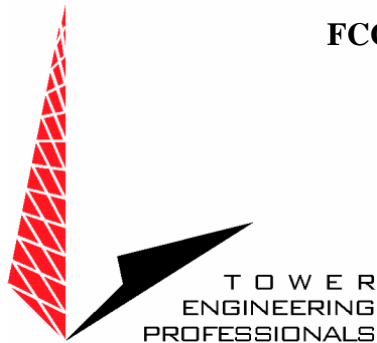


impacts associated with the replacement, upgrade, and lengthening of an existing culvert within waters determined to be "Waters of the U.S." and "Waters of the State," a Nationwide 14 Permit from the US Army Corps of Engineers and any permits required by the NC Department of Environmental Quality (NC DEQ). Following the approval and issuance of the Nationwide 14 Permit and NC DEQ permits a NEPA – EA to address the impacts to surface water features is required to obtain a Finding of No Significant Impact (FONSI) as part of the FCC Antenna Structure Registration (ASR) application process.

Sincerely

A handwritten signature in black ink, appearing to read "George T. Swearingen, III", with a stylized flourish at the end.

Tower Engineering Professionals, Inc.
George T. Swearingen, III
Environmental Manager



FCC NEPA COMPLIANCE AUDIT CHECKLIST

PERSON COUNTY GOVERNMENT 300-FT SELF-SUPPORT TOWER CLAUDE HALL ROAD ROXBORO, NC 27574 PERSON COUNTY

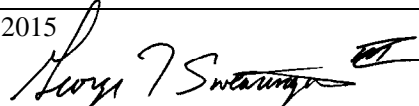
1. Is the proposed facility located in an officially designated wilderness area? No
2. Is the proposed facility located in an officially designated wildlife preserve? No
3. Will the proposed facility likely affect threatened or endangered species or designated critical habitats; or likely jeopardize the continued existence of any proposed endangered or threatened species; or likely result in the destruction or adverse modification of proposed critical habitats (as determined by the Endangered Species Act of 1973)? No
4. Will the proposed facility affect districts, sites, buildings, structures or objects significant in American history, architecture, archeology, engineering or culture, that are listed (or eligible for listing) in the National Register of Historic Places? No
5. Will the proposed facility affect Indian religious sites? No
6. Is the proposed facility located in a floodplain? No
7. Will construction of the proposed facility involve significant change in surface features (e.g., wetland fill, deforestation or water diversion)? Yes
8. Is the proposed facility located in a residential neighborhood and is required to be equipped with high intensity white lights (as defined by local zoning law)? No

If any of the above questions result in an answer of "yes", then construction may not start on any of these sites prior to receipt of a finding of no significant impact by FCC.

RF Exposure Screening Under NEPA

- 9A. Will the proposed NON-ROOFTOP facility equal or exceed total power (of all channels) of 2000 watts ERP (3280 Watts EIRP) and have antennas located less than 10 meters above ground level? No
- 9B. Will the proposed ROOFTOP facility equal or exceed total power (of all channels) of 2000 watts ERP (3280 Watts EIRP)? N/A

If "yes" is the answer to either of the two RF exposure questions, an evaluation must be performed to determine if Person County exceeds the FCC's exposure limits.

TOWER ENGINEERING PROFESSIONALS, INC.	Date: September 30, 2015
Print Name: George T. Swearingen, III	Signature: 

The following provides additional information concerning each item on the checklist.

1. Designated Wilderness Areas – Based on a review of the National Wilderness Institute Map of Wilderness Areas, Wild & Scenic Rivers, National Natural Landmarks and UN Biosphere Reserves, dated 1995, and the Wilderness.net - U.S. National Wilderness Preservation System Map, the proposed tower site is not located within an officially designated wilderness area.
2. Designated Wildlife Preserves – Based on a review of the US Fish and Wildlife Service: National Wildlife Refuge System Map, dated September 30, 2004, the proposed tower site is not located within an officially designated wildlife preserve.
- 3A. Listed Threatened or Endangered Species or Designated Critical Habitats – Based on a review of the listed protected species within the Cluster Springs Quadrangle of Person County, North Carolina, as obtained from the North Carolina Department of Environment and Natural Resources: Natural Heritage Program (NC NHP), review of the USFWS – Official Species List (Consultation Tracking Number: 04EN2000-2015-SLI-0511), and an on-site investigation, no listed threatened or endangered species occur at the proposed tower site. In addition, no critical habitats were identified at the proposed tower site. Therefore, it is not likely that the construction of the proposed tower will affect threatened or endangered species or their critical habitats.
- 3B. Proposed Threatened or Endangered Species or Proposed Critical Habitats - Based on a review of the listed protected species within the Cluster Springs Quadrangle of Person County, North Carolina, as obtained from the North Carolina Department of Environment and Natural Resources: Natural Heritage Program (NC NHP), review of the USFWS – Official Species List (Consultation Tracking Number: 04EN2000-2015-SLI-0511), and an on-site investigation, none of the proposed threatened or endangered species occur on the proposed tower site. The tower site is not located within an area qualifying as proposed critical habitats. Further, the construction of the proposed tower is not likely to impact proposed threatened or endangered species or their critical habitats.
4. Historical Places – Based on the results of our coordination with Preservation North Carolina – Piedmont Regional Office, Person County Planning & Zoning Department, Person County Museum of History, and the North Carolina Department of Cultural Resources – State Historic Preservation Office (NCDCCR-SHPO), the construction of the proposed tower will not affect properties listed on or eligible for listing on the National Register of Historic Places within the NCDCCR-SHPO designated area of potential effect (APE).
5. Indian Religious Sites – Based upon a review of available information obtained from the North Carolina Department of Cultural Resources, the Native American Consultative Database, the Bureau of Indian Affairs-Indian Reservations in the Continental United States, dated 5/96, and the responses to the FCC-Tower Construction Notification System #129667 filed July 27, 2015; no known Native American religious sites will be affected by the proposed tower site.
6. Floodplains – Based on a review of the floodplain map of the area (FIRM Community-Panel No. *3721002000J, dated June 4, 2007, North Carolina) the proposed tower site is not located within a flood zone as determined by FEMA.
7. Surface Features – Based on our on-site investigation and a review of the U.S. Fish and Wildlife Service National Wetland Inventory map of the area, a portion of the proposed tower facility is anticipated to result in a significant change and modification to surface features associated with the replacement, upgrade, and lengthening of an existing culvert within the limits of a jurisdictional stream. No impacts to jurisdictional wetlands or deforestation are anticipated with the proposed emergency services facility.

According to the Zoning Drawings dated 7-15-15 completed by TEP for Person County, surface water impacts will occur associated with the proposed 25-ft wide access and utility easement. TEP conducted an onsite inspection and stream determination for an existing drainage feature within the limits of the proposed access and utility easement on March 18, 2015. A follow-up inspection with NCDEQ personnel confirmed that the drainage feature is a jurisdictional stream. Person County is proposing to replace, upgrade, and lengthen an existing 12" diameter corrugated metal pipe culvert that is located along the aforementioned tributary. The new culvert will consist of a 36" diameter x 65' long reinforced concrete pipe that will be located within the existing stream channel. Additionally, the existing earthen

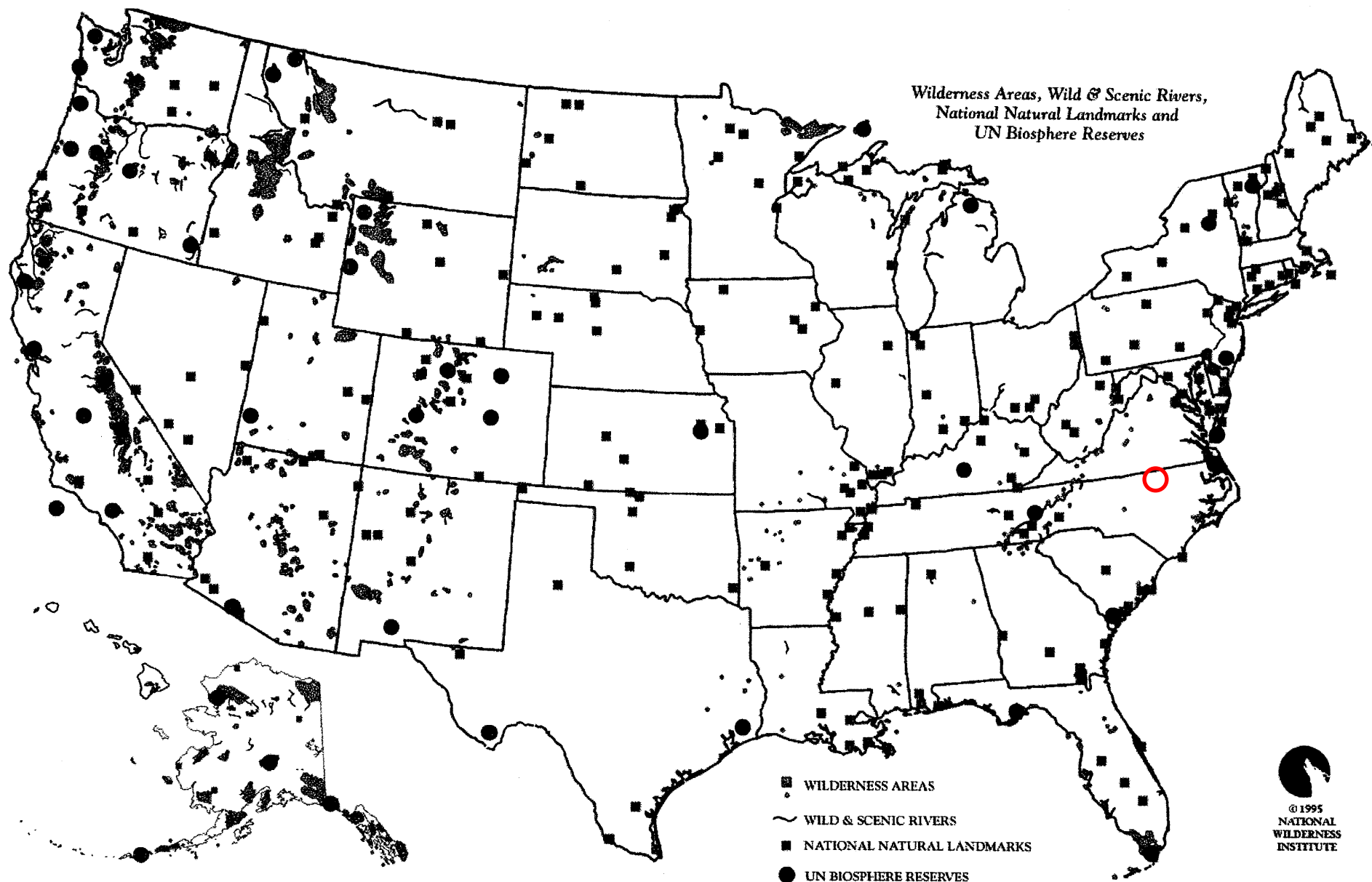
drive will be graded and elevated in the proximity of the existing drainage feature due to access drive grade requirements for local emergency service providers.

8. Zoning/High Intensity White Lights – The proposed tower is 300-ft (320-ft with appurtenances) AGL and is anticipated to be lit with dual mode, medium intensity lights.
- 9A. Radio Frequency Emissions – Based on the specified elevation of the proposed antennas (>10 meters) and because the site will be located within a restricted area, no further study concerning radio frequency emissions is required.



ATTACHMENT 1

OFFICIALLY DESIGNATED WILDERNESS AREAS



U.S. NATIONAL WILDERNESS PRESERVATION SYSTEM MAP



Map Legend

- Bureau of Land Management Wilderness
- Bureau of Land Management NON-Wilderness
- Fish & Wildlife Service Wilderness
- Fish & Wildlife Service NON-Wilderness
- Forest Service Wilderness
- Forest Service NON-Wilderness
- National Park Service Wilderness
- National Park Service NON-Wilderness
- Major Roads
- Ferry Routes (AK)

NORTH CAROLINA NATIONAL NATURAL LANDMARKS MAP





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Wayne County

ZURICH BOG

Zurich Bog is a good example of northern sphagnum bog and bog forest vegetation, both of which are uncommon in north-central New York. Designated: 1973. Ownership: Private.

Westchester County

MIANUS RIVER GORGE

The Mianus River Gorge contains an excellent climax hemlock forest and presents an exceptional illustration of piedmont physiography and geomorphology. Designated: 1964. Ownership: Private.

NORTH CAROLINA (13)

Alleghany County

STONE MOUNTAIN

(extends into Wilkes County) Stone Mountain, located within Stone Mountain State Park, is the best example of a monadnock in massive granite in North Carolina. Unique, endemic plants persist on the granite outcrops. Designated: 1974. Ownership: State.

Ashe County

**LONG HOPE CREEK
SPRUCE BOG**

(extends into Watauga County) Long Hope Creek Spruce Bog is one of the rarest plant communities in North Carolina and the Southeast, including plant species such as American yew and buckbean. Designated: 1974. Ownership: Private.

**MOUNT JEFFERSON
STATE NATURAL AREA**

Mount Jefferson State Natural Area contains virtually undisturbed northern red oak forests, and represents one of the best remaining examples of oak-chestnut forest in the Southeast. Designated: 1974. Ownership: State.

Beaufort County

**GOOSE CREEK STATE
PARK NATURAL AREA**

Goose Creek State Park Natural Area is an excellent example of a gently sloping mainland undergoing rapid ocean transgression. The site contains several diverse ecological communities including: brackish creeks and marshes, marsh transition areas, river swamp forest, and pine forest. Designated: 1980. Ownership: State.



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Brunswick County

GREEN SWAMP

Green Swamp is the largest and most unique mosaic of wetland communities in the Carolinas and is a refuge for rare plant and animal species. Designated: 1974. Ownership: Private.

SMITH ISLAND

(extends into New Hanover County) Smith Island, located within Fort Fisher State Recreation Area, is a barrier island complex representing one of the least disturbed areas remaining on the Atlantic Coast. The site contains one of the best unaltered examples of sand strand forest in existence, and a system of sand dunes. Salt marshes, tidal creeks, bays, and mudflats are used extensively by aquatic birds, and island beaches provide breeding habitat for loggerhead turtles. Designated: 1967. Ownership: State.

Dare County

**NAGS HEAD WOODS
AND JOCKEY'S RIDGE**

Nags Head Woods and Jockey's Ridge illustrates the entire series of dune development and plant succession, from shifting open dunes to forested stabilized dunes. Designated: 1974. Ownership: State, county, municipal, private.

Davie County

ORBICULAR DIORITE

The Orbicular Diorite site contains an unusual plutonic igneous rock consisting of hornblende, pyroxene, and feldspars. Designated: 1980. Ownership: Private.

Hyde County

**SALYER'S RIDGE
NATURAL AREA**

Salier's Ridge Natural Area, located within the Mattamuskeet National Wildlife Refuge, contains a rare example of mature loblolly pine forest in process of succession towards a deciduous forest. Designated: 1983. Ownership: Federal.

New Hanover County

SMITH ISLAND

(see Brunswick County)

Onslow County

BEAR ISLAND

Bear Island, located within Hammocks Beach State Park, contains one of the largest and best examples of coastal eolian landforms in the Atlantic Coastal Plain biophysiographic province. Dune movement has created a dynamic landscape of outstanding scenic beauty. Designated: 1980. Ownership: State.



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Surry County

PILOT MOUNTAIN

Pilot Mountain, located within Pilot Mountain State Park, is a classic monadnock that harbors disjunct vegetation from the Blue Ridge region. Designated: 1974. Ownership: State.

Wake County

**PIEDMONT BEECH
NATURAL AREA**

Piedmont Beech Natural Area, located within William B. Umstead State Park, is one of the best examples of mixed mesophytic forest in the eastern Piedmont of North Carolina. Portions of the site contain unusual examples of good, maturing stands of beech. Designated: 1974. Ownership: State.

Watauga County

**LONG HOPE CREEK
SPRUCE BOG**

(see Ashe County)

Wilkes County

STONE MOUNTAIN

(see Alleghany County)

Yancey County

**MOUNT MITCHELL STATE
PARK**

Mount Mitchell, located within Mount Mitchell State Park, is the highest mountain in the eastern half of the United States at 6,684 feet. The site supports the most extensive stand of Fraser fir remaining in the country. Designated: 1974. Ownership: State.

NORTH DAKOTA (4)

Billings County

**TWO-TOP MESA AND BIG
TOP MESA**

Located one mile apart, Two-Top Mesa and Big Top Mesa are in a badlands terrain of sandstones, siltstones and clay. The mesas are characterized by an unbroken cover of grass on flat relief. Designated: 1965. Ownership: Federal.

Cavalier County

RUSH LAKE

A large shallow, essentially undisturbed prairie pothole lake, Rush Lake is an important staging area for waterfowl. Designated: 1975. Ownership: Private.

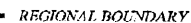
U.S. National Wild and Scenic Rivers System Map
September 2009





ATTACHMENT 2

OFFICIALLY DESIGNATED WILDLIFE PRESERVES



U.S. Fish & Wildlife Service –National Wildlife Refuges Map
of North Carolina

<http://www.fws.gov/refuges/refugelocatomaps/NorthCarolina.html>





ATTACHMENT 3

LISTED/PROPOSED THREATENED AND ENDANGERED SPECIES



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Raleigh Field Office
Post Office Box 33726
Raleigh, North Carolina 27636-3726

U.S. Fish and Wildlife Service Clearance to Proceed with Communication Tower Projects

The U.S. Fish and Wildlife Service (Service) is responsible for the protection and conservation of federal trust resources including threatened and endangered species and migratory birds in accordance with the following Acts:

- Section 7 of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 *et seq.*)(ESA);
- Bald and Golden Eagle Protection Act (16 U.S.C. 668-668d) (Eagle Act); and
- Migratory Bird Treaty Act (16 U.S.C. 701 *et seq.*) (MBTA).

Included in this mandate is the review of communication tower projects. The Federal Communications Commission (FCC) authorizes these projects and as part of its authorization and obligations under the ESA and the National Environmental Policy Act (NEPA) requires a project environmental impact review. These projects primarily involve new tower construction, co-location of antennas on existing communication towers or other structures, and the repair, maintenance, or relicensing of existing structures.

With the continuing advances in cellular communication technology, and resulting widespread consumer demand for this service, the Raleigh Ecological Services Field Office has experienced a significant increase in the number of requests for review of these projects. To fulfill our statutory obligations under the ESA in a timely and consistent manner, and to assist communication companies in addressing FCC and NEPA environmental impact review requirements, we provide the following guidance and clearance. The guidance is largely based on our agency's "Interim Guidelines for Recommendations on Communication Tower Siting, Construction, Operation, and Decommissioning." This document may be found at <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>. This guidance is applicable within the Raleigh Ecological Services Field Office work area, a map of which can be found at http://www.fws.gov/raleigh/media/work_area.gif

Federally Listed Species and Migratory Birds Assessment

For new tower construction and related activities, applicants are responsible for conducting an initial assessment and site survey to determine if any federally listed species occur within, or in proximity to the project footprint. Our Web site, http://www.fws.gov/raleigh/es_tes.html, contains information about protected species in North Carolina. Information about how to avoid impacts to known bald eagle (*Haliaeetus leucocephalus*) nests is available at <http://www.fws.gov/southeast/birds/Eagle/tamain.html>. For projects located in suitable nesting or foraging habitat for the red-cockaded woodpecker (*Picoides borealis*) that are on public lands, contact the landowner/manager for additional information. For projects on private lands, please use the survey protocol at http://www.fws.gov/rcwrecovery/recovery_plan.html.

In addition, we recommend that you consult the Service's migratory bird web site (<http://www.fws.gov/migratorybirds>), which provides useful information about migratory birds. If the site assessment and/or survey reveal listed species within the project footprint, the project should be forwarded to our office for further evaluation and possible consultation.

Project Design and Maintenance

If an assessment or survey does not detect federally-listed species or the presence of designated critical habitat within the project footprint, we have determined that the following types of projects and project specifications are not likely to adversely affect federally listed species or have significant adverse impacts on migratory birds. **For projects that meet the criteria below, NO further coordination with the Service is necessary.** This guidance is a general clearance for all future projects meeting these criteria.

1. The construction of lattice or monopole design communication towers less than 400 feet above ground level (AGL) that do not contain guy wires. The tower must be in previously disturbed, urbanized, or developed areas or areas that do not represent potential habitat for federally listed species. If taller than 199 feet, the tower should use the minimum amount of pilot warning and obstruction avoidance lighting required by the FAA. Unless otherwise required by the FAA, only white (preferable) or red strobe lights should be used at night, and these should be the minimum number, minimum intensity and minimum number of flashes per minute allowable by the FAA. This type of lighting is far less attractive to migratory birds than continuous or pulsating, incandescent red or white lights, regardless of their intensity or frequency or duration of pulsation. The use of solid red or pulsating red warning lights at night should be avoided. In addition, the tower must be at least 2,500 feet from any active wood stork or other wading bird nesting colony.
2. The construction of guyed communication towers less than 400 feet tall as outlined above, and provided the guy wires are equipped with bird diverter devices and the tower is lighted with a white or red strobe light operating at the minimum allowable intensity, as described in the paragraph above. The same provisions outlined below regarding bald eagle nests and above regarding wood stork and other wading bird breeding colonies apply.
3. The co-location of a new antenna on an existing structure (e.g., light pole, billboard, water tower, building) must not increase the tower height above 400 feet, require the construction of a new access road, nor result in additional disturbance of the site; and
4. The repair, maintenance, or replacement of an existing communication tower, if the activity does not increase the height of the tower above 400 feet or increase its footprint into natural vegetative communities, and the tower does not contain an eagle nest or an active osprey nest (a nest that contains an egg or young). Note: the osprey nesting season generally occurs from 1 April to August 15 in North Carolina.

Please Note: The Service delisted the bald eagle from the protections of the ESA in August 2007; however, a final Rule published in the Federal Register on September 11, 2009, implemented a permit program designed to protect bald and golden eagle populations in the future. These final regulations authorize the limited take of bald and golden eagles through the issuance of permits under the Eagle Act where the take to be authorized is associated with otherwise lawful activities. These regulations also establish permit provisions for intentional take of eagle nests where necessary to ensure public health and safety, and in other limited circumstances. Please refer to the following web site for more information and application procedures: <http://www.fws.gov/southeast/birds/Eagle/eaglepermit.html>. For any questions regarding this rule or bald eagle protection issues, please contact Ms. Ulgonda Kirkpatrick of the Migratory Birds Division at (321) 972-9089. Please note that ospreys (*Pandion haliaetus*) frequently nest on communication towers, however if eagles use it for nesting it becomes an eagle nest. Confirmed osprey nests that are inactive (no eggs or young in nest) have no special protections under the Migratory Bird Treaty Act, and although nest removal is allowed, we recommend nest removal only be undertaken if there are no alternatives to the required work. (Note: It is recommended that modifications [e.g. spider deterrent or physical barriers] be made to deter future osprey nesting attempts on the structure if the nest is creating concerns or issues). Where the proposed work is associated with an existing tower supporting an active Osprey nest, refer to our National Migratory Bird Program web sites related to laws and permits (<http://www.fws.gov/migratorybirds/RegulationsPolicies/treatlaw.html> or <http://www.fws.gov/migratorybirds/mbpermits.html>), and/or contact our Southeastern Region Division of Migratory Birds in Atlanta, GA at (404) 679-7055 for further guidance prior to any work.

For existing towers that do **not** include any modification, footprint expansion or construction, **no** further coordination with the Service is necessary. This includes those projects for relicensing of existing towers. Therefore, this guidance is a general clearance for all existing projects meeting these criteria as outlined in the Project Design and Maintenance Section above.

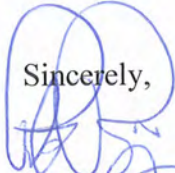
For those projects that do not meet the above criteria, we recommend modifications to the project to:

1. Reduce the height of the tower;
2. Erect towers that do not need guy wires;
3. Install a white or red strobe light operating at the minimum allowable intensity; and/or
4. Ensure wire bundling is orderly and secure to prevent bird entanglement and/or injury.

In summary, for communication tower projects that occur within the Raleigh Ecological Services Field Office work area, if federally listed species or designated critical habitat are not present within the project footprint and the project design or maintenance activity meets one of the four criteria described above under Project Design and Maintenance, **no** further coordination with the Service is necessary. If the project sponsor cannot design or modify the project to negate

impacts to federally listed species, they are advised to submit the project plans to our office for further evaluation and consultation.

The Service appreciates your cooperation in the protection of federally listed species and migratory birds in North Carolina.

Sincerely,

Pete Benjamin
Field Supervisor

Andrew Blake

From: Andrew Blake
Sent: Wednesday, November 19, 2014 9:05 AM
To: Lindsey Woolridge
Subject: RE: No Effect Determinations

From: Suiter, Dale [mailto:dale_suiter@fws.gov]
Sent: Wednesday, November 19, 2014 9:03 AM
To: Andrew Blake
Subject: Re: No Effect Determinations

Hi Drew

If you make a no effect determination for a project (communication tower or other type of project), then you do not need to contact our office for concurrence. You may print a copy of the communication tower guidance letter on our web page at: <http://www.fws.gov/raleigh/ctp.html> . As in the past, if you make a may affect, not likely to adversely affect call, you should contact our office for concurrence.

Please let me know if you have any additional questions.
Dale

--

Dale Suiter
Endangered Species Biologist
U.S. Fish and Wildlife Service
Raleigh Ecological Services Field Office
PO Box 33726
Raleigh, NC 27636-3726
office: 919-856-4520 x 18
email: dale_suiter@fws.gov

COMMUNICATIONS TOWER SITE
EVALUATION FORM

1. Location (Provide maps if possible): Claude Hall Road, Roxboro 27574
State: NC
County: Person
Latitude/Longitude/GPS Grid: N 36° 30' 28.825" , W 78° 55' 4.903"
City and Highway Direction (4 miles SW on Hwy 501, etc.): From Raleigh, NC take I-40 W for approximately 9-miles until taking exit 279B onto 147 N. In approximately 8-miles, exit onto S Duke Street. In approximately 5-miles, continue onto US-501 N/N Roxboro St. In approximately 10-miles, turn right onto Moores Mill Road. In approximately 3.5-miles, turn left onto Moore Mill Road. In approximately 3-miles, turn right onto Helena-Moriah Road and then turn left onto Surl-Mount Tirzah Road. In approximately 4.7-miles, turn slightly right onto Mollie Mooney Road and then in approximately 3-miles, continue onto Old Allenville Road. In approximately 1-mile, turn left onto Allensville Road and in approximately 1-mile, turn right onto Gentry Ridge Road. In approximately 3-miles, continue onto Mill Creek Road.
2. Elevation above mean sea level: ~603.4-ft
3. Will the equipment be co-located on an existing FCC licensed tower or other existing structure (building, water tank, etc)? Y/N NO If yes, type of structure: N/A
4. If yes, will the compound be expanded: N/A
If yes, will the tower be extended: N/A
5. If No, provide proposed specifications for the new tower:
Height: 300-ft (320-ft with appurtenances)
Construction Type (lattice, monopole, etc.): Self-Support
Guyed-Wire? NO No. Bands: N/A Total No. Wires: N/A
Lightning (Security and Aviation): Anticipated to be equipped with dual mode medium intensity lights
6. Area of tower footprint in acres or square feet:
Proposed irregularly shaped lease area & turn around: ~2,975.1 sq. ft. (~0.07-acres)
Proposed access & utility easement: ~40,000 sq. ft. (~0.91-acres)
Total area of potential disturbance: ~42,975 sq. ft. (~0.98-acres)
7. Length and width of access road in feet:
Length: 1,600-ft
Width: 20

8. General description of terrain (mountains, rolling hills, flat, flat in undulating, etc.). Photographs of the site and surrounding area are beneficial: sloping to the northwest
9. Meteorological conditions (incidence of fog, low ceilings, rain, etc.): sunny
10. Soil Type(s): According to the USDA Web Soil Survey of Person County, NC, the soils of the proposed action area are identified as Cecil sandy loam, 2-6% slopes (CeB) soils, Siloam loam, 15-45% slopes, and Wedowee sandy loam, 10-15% slopes. Cecil sandy loam soils are generally described as well drained soils that are found on interfluvies and are formed from saprolite derived from granite and gneiss and/or schist. Siloam loam soils are generally described as well drained soils that are found on hillslopes on ridges and are formed from saprolite derived from diorite and/or gabbro and/or diabase and/or gneiss. Wedowee sandy loam soils are generally described as well drained soils that are found on hillslopes on ridges and are formed from saprolite derived from granite and gneiss and/or schist.
11. Habitat types and land use on and adjacent to the site:

Habitat Type:	Acreage:	Percentage of Total:
<u>Gravel road</u>	<u>0.16-acre</u>	<u>16.3%</u>
<u>Fallow field</u>	<u>0.75-acre</u>	<u>76.5%</u>
<u>Forested area</u>	<u>0.07-acre</u>	<u>7.2%</u>

Adjacent land use: undeveloped forested, low density residential, agricultural, and institutional (Bethel Hill Elementary School).
12. Dominant vegetative species in each habitat type:

Forested area: eastern redcedar (*Juniperus virginiana*), loblolly pine (*Pinus taeda*), white oak (*Quercus alba*).
13. Average diameter breast height of dominant tree species in forested areas:

Eastern redcedar: <2" DBH

Loblolly pine: 4-8" DBH

White oak: 6-10" DBH
14. Will construction at this site cause fragmentation of a larger block of habitat into two or more smaller blocks? Y/N NO If yes, describe:
15. Is evidence of bird roosts or rookeries present? Y/N NO If yes, describe: N/A
16. Distance to nearest wetland area (forested swamp, marsh, riparian, marine, etc.), and coastline, if applicable: According to the National Wetland Inventory (NWI) Online Mapper the nearest identified wetland is identified as a freshwater pond that is located approximately 245-ft west of the proposed action area.

17. Distance to nearest telecommunications tower: Less than 5 miles. According to a search of information obtained from the FCC ASR website the nearest communications tower is located approximately 0.28-miles east of the proposed action area.
18. Potential for co-location of antennas on existing towers or other structures:
Unknown
19. Have measures been incorporated for minimizing impacts to migratory birds? Y/N YES If yes, describe: Proposed tower is anticipated to be approximately 300-ft (320-ft with appurtenances) AGL, self-support in design, and anticipated to be equipped with dual mode medium intensity lights.
20. Has an evaluation been made to determine if the proposed facility may affect listed or proposed endangered or threatened species or their habitats as required by FCC regulations at 47 CFR 1.1307(a)(3)? Y/N Yes If yes, present findings: No known recorded occurrences of federally protected species or their critical habitats exist at the proposed tower location. It is the opinion of TEP that the proposed facility will have **no effect** on known populations or occurrences of federal and state protected species of concern, high quality natural areas, or significant natural areas within Person County.
21. Additional information required:

TEP personnel performed an inspection of the site on 3-18-2015; the following information is the determination of effect:

Review of the USFWS – Official Species List – Tracking Number 04EN2000-2015-SLI-0120 for the proposed site in Person County indicated the possible presence of one (1) listed aquatic endangered species: dwarf wedgemussel (*Alasmidonta heterodon*); however, the proposed action is not anticipated to impact aquatic habitat and therefore it is the opinion of TEP that the proposed action will have **no effect** on the aforementioned aquatic species. **No terrestrial federally endangered or threatened species were identified.** The site inspection performed on March 18, 2015 consisted of a pedestrian inspection of the proposed action area and immediate vicinity for indications of the presence of federally listed species and/or their critical habitats and preferred/suitable habitats, as described by the USFWS. According to the USFWS – Official Species List, there are no officially designated critical habitats on, or in the vicinity of the action area.

At the time of inspection on March 18, 2015 the area in the vicinity of the proposed action area was occupied by an existing gravel/earthen road, fallow field, and forested area. The following vegetation was observed within the forested area: eastern redcedar (*Juniperus virginiana*), loblolly pine (*Pinus taeda*), white oak (*Quercus alba*).

Per a letter from Mr. Pete Benjamin of the USFWS – Raleigh Field Office regarding Communication Tower Projects, “the following types of projects and project specifications are not likely to adversely affect federally listed species or have significant adverse impacts on migratory birds. **For projects that meet the criteria below, NO further coordination with the Service is necessary.**”

1. The construction of lattice or monopole design communication towers less than 400-ft AGL that do not contain guy wires. Tower must be in previously disturbed, urbanized, or developed areas or areas that do not present potential habitat for federally listed species. Additionally, the tower must be at least 2,500-ft from any active wood stork or other wading bird nesting colony.
2. The construction of guyed communication towers less than 400-ft tall as outlined above, and provided the guy wires are equipped with bird diverter devices and the tower is lighted with a white or red strobe light operating at the minimum allowable intensity
3. The co-location of a new antenna on an existing structure must not increase the tower height above 400-ft, require the construction of a new access road, nor result in additional disturbance of the site; and
4. The repair, maintenance, or replacement of an existing communication tower, if the activity does not increase the height of the tower about 400-ft or increase its footprint into natural vegetative communities, and the tower does not contain an eagles nest or an active osprey nest.

Further, per an email from Dale Suiter of the USFWS – Raleigh Field Office on November 19, 2014, the USFWS – Raleigh Field Office does not need to be contacted for projects for which TEP has made a no effect determination.

TEP Findings:

Due to the absence of listed terrestrial threatened and endangered species in Person County, NC and the proposed tower being located within a portion of Person County, NC primarily consisting of institutional and low density residential land uses, it is the opinion of TEP personnel that the proposed action meets the following categorical exclusion(s):

1. The construction of lattice or monopole design communication towers less than 400-ft AGL that do not contain guy wires. Tower must be in previously disturbed, urbanized, or developed areas or areas that do not present potential habitat for federally listed species.



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Raleigh Ecological Services Field Office
551 PYLON DRIVE, SUITE F
RALEIGH, NC 27606
PHONE: (919)856-4520 FAX: (919)856-4556

Consultation Code: 04EN2000-2015-SLI-0511

July 27, 2015

Event Code: 04EN2000-2015-E-01184

Project Name: Bethel Hill

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project

To Whom It May Concern:

The species list generated pursuant to the information you provided identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

Section 7 of the Act requires that all federal agencies (or their designated non-federal representative), in consultation with the Service, insure that any action federally authorized, funded, or carried out by such agencies is not likely to jeopardize the continued existence of any federally-listed endangered or threatened species. A biological assessment or evaluation may be prepared to fulfill that requirement and in determining whether additional consultation with the Service is necessary. In addition to the federally-protected species list, information on the species' life histories and habitats and information on completing a biological assessment or

evaluation and can be found on our web page at <http://www.fws.gov/raleigh>. Please check the web site often for updated information or changes

If your project contains suitable habitat for any of the federally-listed species known to be present within the county where your project occurs, the proposed action has the potential to adversely affect those species. As such, we recommend that surveys be conducted to determine the species' presence or absence within the project area. The use of North Carolina Natural Heritage program data should not be substituted for actual field surveys.

If you determine that the proposed action may affect (i.e., likely to adversely affect or not likely to adversely affect) a federally-protected species, you should notify this office with your determination, the results of your surveys, survey methodologies, and an analysis of the effects of the action on listed species, including consideration of direct, indirect, and cumulative effects, before conducting any activities that might affect the species. If you determine that the proposed action will have no effect (i.e., no beneficial or adverse, direct or indirect effect) on federally listed species, then you are not required to contact our office for concurrence (unless an Environmental Impact Statement is prepared). However, you should maintain a complete record of the assessment, including steps leading to your determination of effect, the qualified personnel conducting the assessment, habitat conditions, site photographs, and any other related articles.

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

Not all Threatened and Endangered Species that occur in North Carolina are subject to section 7 consultation with the U.S Fish and Wildlife Service. Atlantic and shortnose sturgeon, sea turtles, when in the water, and certain marine mammals are under purview of the National Marine Fisheries Service. If your project occurs in marine, estuarine, or coastal river systems you should also contact the National Marine Fisheries Service, <http://www.nmfs.noaa.gov/>

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office. If you have any questions or comments, please contact John Ellis of this office at john_ellis@fws.gov.

Attachment



United States Department of Interior
Fish and Wildlife Service

Project name: Bethel Hill

Official Species List

Provided by:

Raleigh Ecological Services Field Office
POST OFFICE BOX 33726
RALEIGH, NC 27636
(919) 856-4520

Consultation Code: 04EN2000-2015-SLI-0511

Event Code: 04EN2000-2015-E-01184

Project Type: COMMUNICATIONS TOWER

Project Name: Bethel Hill

Project Description: Person County proposes the construction of a 300-ft self-support (320-ft with appurtenances) emergency services tower north of a portion of Claude Hall Road, west of a portion of Bethel Hill School Road, north of the City of Roxboro within Person County.

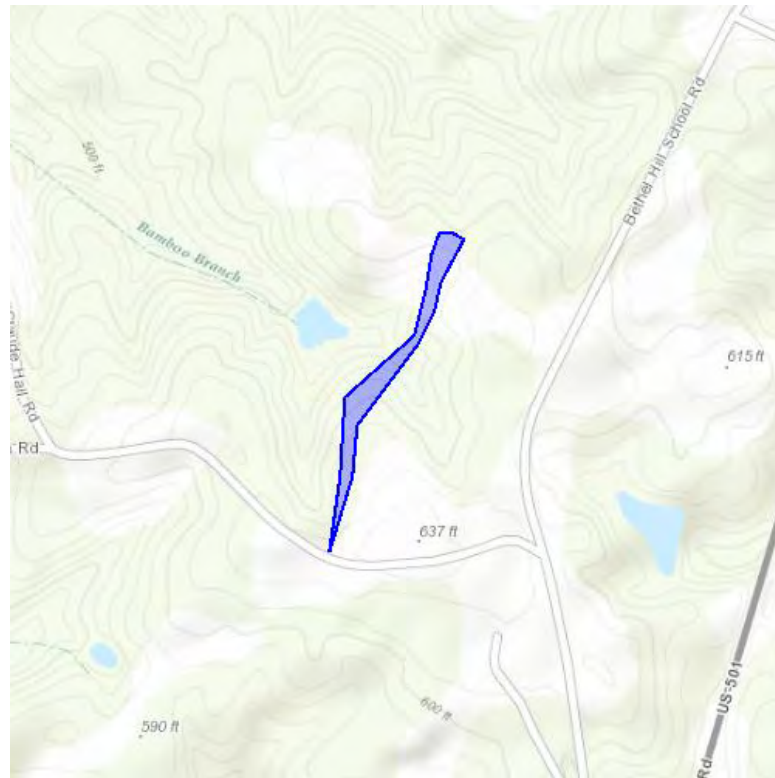
Please Note: The FWS office may have modified the Project Name and/or Project Description, so it may be different from what was submitted in your previous request. If the Consultation Code matches, the FWS considers this to be the same project. Contact the office in the 'Provided by' section of your previous Official Species list if you have any questions or concerns.



United States Department of Interior
Fish and Wildlife Service

Project name: Bethel Hill

Project Location Map:



Project Coordinates: MULTIPOLYGON (((-78.91991257667542 36.50407388058684, -78.91956925392151 36.50498801862716, -78.91950488090515 36.505626184068596, -78.91857147216795 36.50660929350815, -78.9183247089386 36.50702323058968, -78.91822814941405 36.50735092920946, -78.9178740978241 36.50788559240042, -78.91803503036499 36.50797182805312, -78.91826033592224 36.50796320449219, -78.9183783531189 36.50770449721708, -78.91845345497131 36.50725606922534, -78.91863584518433 36.50671277798604, -78.9196765422821 36.50595388860234, -78.91975164413452 36.50499664251955, -78.91991257667542 36.50407388058684)))

Project Counties: Person, NC



United States Department of Interior
Fish and Wildlife Service

Project name: Bethel Hill

Endangered Species Act Species List

There are a total of 1 threatened or endangered species on your species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

Clams	Status	Has Critical Habitat	Condition(s)
Dwarf wedgemussel (<i>Alasmidonta heterodon</i>) Population: Entire	Endangered		



United States Department of Interior
Fish and Wildlife Service

Project name: Bethel Hill

Critical habitats that lie within your project area

There are no critical habitats within your project area.



North Carolina Department of Environment and Natural Resources
Office of Land and Water Stewardship

Pat McCrory
Governor

Bryan Gossage
Director

Donald R. van der Vaart
Secretary

NCNHDE-518

July 27, 2015

Lindsey Woolridge
Tower Engineering Professionals, Inc.
326 Tryon Road
Raleigh, NC 27603
lwoolridge@tepgroup.net

RE: Bethel Hill

Dear Lindsey Woolridge:

The North Carolina Natural Heritage Program (NCNHP) appreciates the opportunity to provide information about natural heritage resources from our database that have been compiled for the project referenced above.

A query of the NCNHP database, based on the project area mapped with your request, indicates that there are no records for rare species, important natural communities, natural areas, or conservation/managed areas within the proposed project boundary, or within a one-mile radius of the project boundary.

Please note that the results of this query should not be substituted for site-specific surveys where suitable habitat exists. Although there may be no documentation of natural heritage elements within the project boundary, it does not imply or confirm their absence; the area may not have been surveyed. In the event that rare species are found within the project area, please contact the NCNHP so that we may update our records.

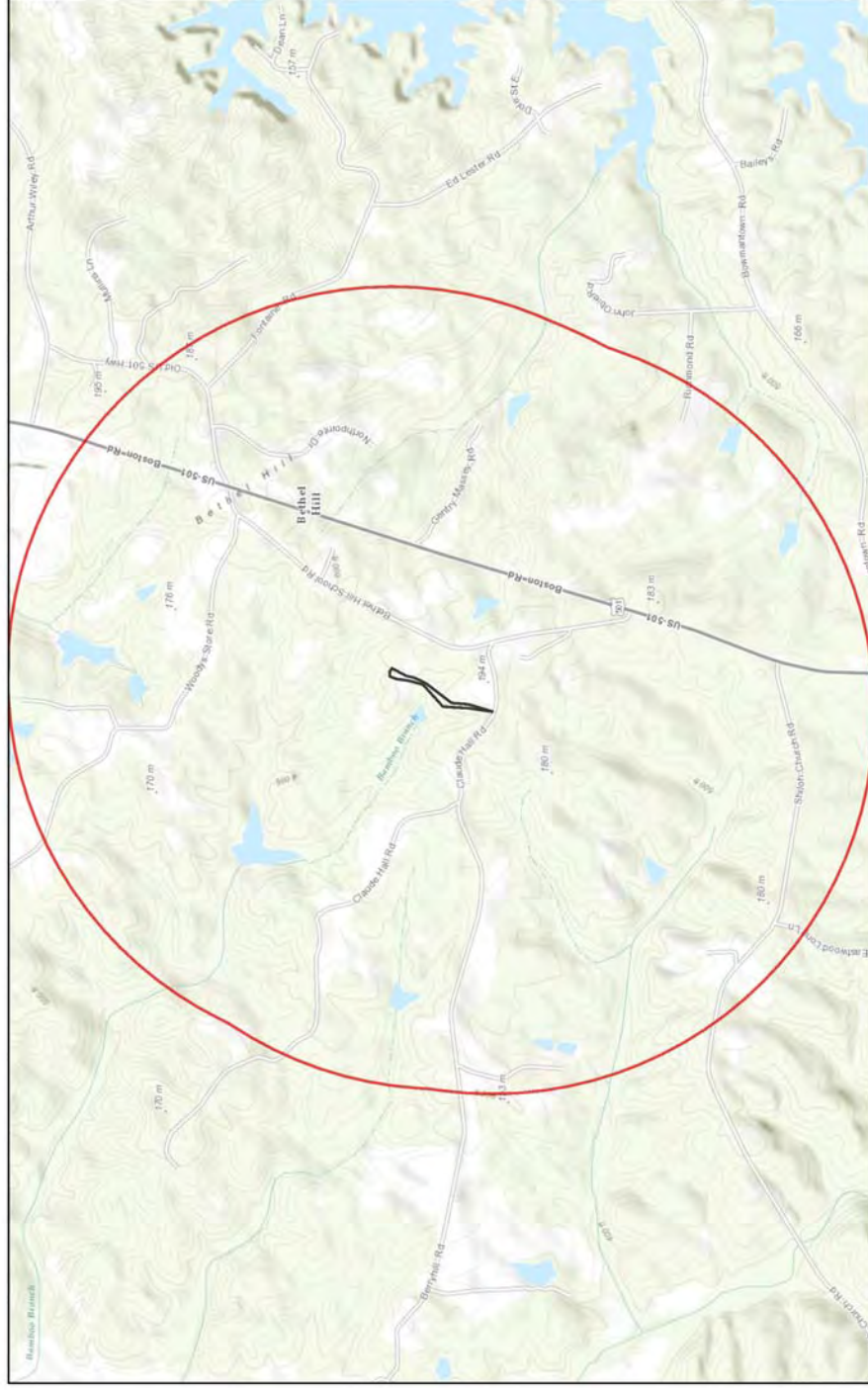
Please also note that natural heritage element data are maintained for the purposes of conservation planning, project review, and scientific research, and are not intended for use as the primary criteria for regulatory decisions. Information provided by the NCNHP database may not be published without prior written notification to the NCNHP, and the NCNHP must be credited as an information source in these publications. Maps of NCNHP data may also not be redistributed without permission.

Thank you for your inquiry. If you have questions regarding the information provided in this letter or need additional assistance, please contact Allison Schwarz Weakley at allison.weakley@ncdenr.gov or 919.707.8629.

Sincerely,

NC Natural Heritage Program

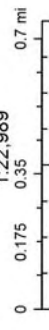
NCNHDE-518: Bethel Hill



July 27, 2015

- Project Boundary
- Buffered Project Boundary

1:22,989



Sources: Esri, HERE, DeLorme, Intermap, Incorp. P. Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeBCo, IGN, Kartasat NL, Ordnance Survey,



ATTACHMENT 4

SECTION 106 – SHPO

Communications Tower Review Form



I. Applicant Information:

Preparer/Company: Lindsey Woolridge/Tower Engineering Professionals, Inc.
Address: 326 Tryon Rd, Raleigh, NC 27603
Phone/Fax/E-mail: (919) 661-6351/(919) 661-6350/lwoolridge@tepgroup.net

For North Carolina HPO
Use Only

CT 15-1892

II. Tower Information:

(Attach copy of USGS map or photocopy of quad on reverse; include 1 and 2 mile radius around site)

☒ Raw Land (New) ☐ Co-Location Applicant's Identification # Bethel Hill
Address: Claude Hall Road, Roxboro 27574
County: Person FCC Registration No. _____
Tower type and height: 300-ft Self-Support (320-ft with appurt.) Quad Name: Cluster Springs

III. Identification of Historic Properties

List sites by site number and status: NR = National Register listed; SL = Study List; DOE = Determination of Eligibility;
LD = Local Designation; UA = Unassessed

Archaeology

of recorded sites in immediate area of tower: 0
Archaeological research conducted by Terri Russ, archaeologist
for Environmental Services, Inc. (ESI) on July 20, 2015.

Architecture

of recorded sites within 0.75-mile radius: 1
SO:
PR0031 - Hall House

IV. Additional Information/Investigation Needed:

☐ Survey
☒ Testing of sites _____

☐ Photo Reconnaissance
☐ Balloon Test

Recommended by/on: LEW 8/24/15
(Office of State Archaeology)

Recommended by/on: _____
(Survey & Planning Branch)

No additional archaeological investigation recommended.

V. Recommendations/Final Determination:

☐ Recommendations for additional work are shown above.

☒ The proposed communication tower will NOT affect historic properties in the area of potential effect.

Renee Gledhill-Earley
Renee Gledhill-Earley, Environmental Review Coordinator

9-1-15
Date

cc: FCC

February, 2001

AUG 17 2015



August 5, 2015

Ms. Renee Gledhill-Earley – Environmental Review Coordinator
State Historic Preservation Office
4617 Mail Service Center
Raleigh, NC 27699

Re: **Proposed 300-ft (320-ft with appurt.) Self-Support Communications Tower
Person County Emergency Services Site: Bethel Hill
TCNS# 129667, filed 7/27/2015
Claude Hall Road
Roxboro, NC 27574
(Person County)**

Dear Ms. Gledhill-Earley,

Attached herein is the FCC 620 Review Packet for the proposed Person County Emergency Services site identified as Bethel Hill. TEP is submitting the FCC Form 620 to the North Carolina State Historic Preservation Office utilizing the FCC E-106 System and electronic mail, in order to satisfy the requirements of Section 106 Review of the National Historic Preservation Act for the proposed tower site. Person County Emergency Services proposes the construction of a 300-ft (320-ft with appurtenances) self-support communications tower facility that will be located north of a portion of Berry Hill Road, northeast of a portion of Claude Hall Road, and west of a portion of Bethel Hill School Road, and north-northeast of the City of Roxboro, in Person County, North Carolina. Please provide all correspondence to Tower Engineering Professionals at the address stated below.

**Tower Engineering Professionals, Inc.
Attn: George T. Swearingen
326 Tryon Road
Raleigh, NC 27603-3530**

Sincerely,

Tower Engineering Professionals, Inc.
George T. Swearingen, III
Environmental Manager



Section 106 - Filing Confirmation

[FCC](#) > [Wireless](#) > Section 106 FilingsLogged In: 0020869228 ([Log Out](#))[Help](#) | [Technical Support](#)**FCC Form 620**
New Tower SubmissionCurrent Status: **Submitted**
Date of Submission: **08/06/2015**[View/Print Submission Packet](#)[? Common Questions](#) << [Return To My Filings](#)**Filing Confirmation****Your filing has been Submitted.**
File Number: 0006903938

Notification of this filing will be sent to the following Lead SHPO/THPO:

North Carolina Division of Archives & History
Attn: Jeffrey Crow
4610 Mail Service Center
Raleigh, NC 27699-4610

Some SHPO/THPOs may have state specific archiving requirements. You should check with the above agency to determine if they need all or part of this filing submission in paper format.

[View all other parties notified of this filing](#)

A printable **submission packet** is generated for your manual records. Please make a note of this file number and print out this page for your records. A confirmation of this submitted filing will be emailed to the email address specified in your filing.

This system is intended to facilitate filing of Section 106 of the National Historic Preservation Act and use of this system in itself does not satisfy parties' obligations with respect to historic preservation review under the Commission's rules. Failure to receive automated notifications generated by this system does not relieve parties of legal responsibilities and/or justify failure to meet deadlines.

This notification is NOT an actual submission for Antenna Structure Registration. Tower Structures that require antenna structure registration based on FCC Rules 47 C.F.R. Part 17 must complete FCC Form 854 after FAA clearance is obtained.

Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Phone: 1-877-480-3201
TTY: 1-717-338-2824
[Submit Help Request](#)

Notification Date: **7AM EST 08/06/2015****New Tower ("NT") Submission Packet**

See instructions for

File Number: **0006903938**

public burden estimates

General Information

1) (Select only one) (NE) NE – New UA – Update of Application WD – Withdrawal of Application	
2) If this application is for an Update or Withdrawal, enter the file number of the pending application currently on file.	File Number:

Applicant Information

3) FCC Registration Number (FRN): 0004604575
4) Name: Person County Emergency Services

Contact Name

5) First Name: David	6) MI:	7) Last Name: Moore	8) Suffix:
9) Title: 911 Technology Specialist			

Contact Information

10) P.O. Box:	And /Or	11) Street Address: 304 S. Morgan Street	
12) City: Roxboro		13) State: NC	14) Zip Code: 27573
15) Telephone Number: (336)597-1720		16) Fax Number: (336)599-1017	
17) E-mail Address: dmoore@personcounty.net			

Consultant Information

18) FCC Registration Number (FRN): 0020869228
19) Name: Tower Engineering Professionals, Inc., in cooperation with ESI

Principal Investigator

20) First Name: Terri	21) MI:	22) Last Name: Russ	23) Suffix:
24) Title: Senior Archaeologist/Field Director			

Principal Investigator Contact Information

25) P.O. Box:	And /Or	26) Street Address: 4901 Trademark Drive	
27) City: Raleigh		28) State: NC	29) Zip Code: 27610
30) Telephone Number: (919)212-1760		31) Fax Number: (919)741-4885	
32) E-mail Address: truss@ESINC.CC			

Professional Qualification

33) Does the Principal Investigator satisfy the Secretary of the Interior's Professional Qualification Standards?	(<input checked="" type="checkbox"/>) <u>Y</u> es () <u>N</u> o
34) Areas of Professional Qualification: (<input checked="" type="checkbox"/>) Archaeologist () Architectural Historian () Historian () Architect () Other (Specify) _____	

Additional Staff

35) Are there other staff involved who meet the Professional Qualification Standards of the Secretary of the Interior?	() <u>Y</u> es (<input checked="" type="checkbox"/>) <u>N</u> o
--	--

If "YES," complete the following:

36) First Name:	37) MI:	38) Last Name:	39) Suffix:
40) Title:			
41) Areas of Professional Qualification: () Archaeologist () Architectural Historian () Historian () Architect () Other (Specify) _____			

Site Information

Tower Construction Notification System

1) TCNS Notification Number: **129667**

Site Information

2) Positive Train Control Filing Subject to Expedited Treatment Under Program Comment: () Yes (**X**) No

3) Site Name: **Bethel Hill**

4) Site Address: **Claude Hall Road**

5) Detailed Description of Project:

6) City: **Roxboro**

7) State: **NC**

8) Zip Code: **27574**

9) County/Borough/Parish: **PERSON**

10) Nearest Crossroads: **Berry Hill Road & Bethel Hill School Road**

11) NAD 83 Latitude (DD-MM-SS.S): **36-30-28.8** (**X**) N or () S

12) NAD 83 Longitude (DD-MM-SS.S): **078-55-04.9** () E or (**X**) W

Tower Information

13) Tower height above ground level (include top-mounted attachments such as lightning rods): **97.5** () Feet (**X**) Meters

14) Tower Type (Select One):

() Guyed lattice tower

(**X**) Self-supporting lattice

() Monopole

() Other (Describe):

Project Status

15) Current Project Status (Select One):

(**X**) Construction has not yet commenced

() Construction has commenced, but is not completed

Construction commenced on: _____

() Construction has been completed

Construction commenced on: _____

Construction completed on: _____

Determination of Effect

14) Direct Effects (Select One):

- (☒) No Historic Properties in Area of Potential Effects (APE)
- (☐) No Effect on Historic Properties in APE
- (☐) No Adverse Effect on Historic Properties in APE
- (☐) Adverse Effect on one or more Historic Properties in APE

15) Visual Effects (Select One):

- (☒) No Historic Properties in Area of Potential Effects (APE)
- (☐) No Effect on Historic Properties in APE
- (☐) No Adverse Effect on Historic Properties in APE
- (☐) Adverse Effect on one or more Historic Properties in APE

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?	(<input checked="" type="checkbox"/>) <u>Yes</u> () <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>129667</u> Number of Tribes/NHOs: <u>4</u>	
2b) Tribes/NHOs contacted through an alternate system: Number of Tribes/NHOs: <u>0</u>	

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Catawba Indian Nation Cultural Preservation Project

Contact Name

5) First Name: Dr. Wenonah	6) MI: G	7) Last Name: Haire	8) Suffix:
9) Title: THPO and Executive Director			

Dates & Response

10) Date Contacted <u>07/30/2015</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
() Replied/No Interest	
() Replied/Have Interest	
() Replied/Other	

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Eastern Shawnee Tribe of Oklahoma

Contact Name

5) First Name: Robin	6) MI:	7) Last Name: Dushane	8) Suffix:
9) Title: THPO			

Dates & Response

10) Date Contacted <u>07/30/2015</u>	11) Date Replied <u>07/31/2015</u>
() No Reply	
() Replied/No Interest	
() Replied/Have Interest	
(<input checked="" type="checkbox"/>) Replied/Other	

Tribal/NHO Involvement

1) Have Indian Tribes or Native Hawaiian Organizations (NHOs) been identified that may attach religious and cultural significance to historic properties which may be affected by the undertaking within the APEs for direct and visual effects?		(<input checked="" type="checkbox"/>) <u>Yes</u> () <u>No</u>
2a) Tribes/NHOs contacted through TCNS Notification Number: <u>129667</u>		Number of Tribes/NHOs: <u>4</u>
2b) Tribes/NHOs contacted through an alternate system:		Number of Tribes/NHOs: <u>0</u>

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Shawnee Tribe

Contact Name

5) First Name: Kim	6) MI:	7) Last Name: Jumper	8) Suffix:
9) Title: THPO			

Dates & Response

10) Date Contacted <u>07/30/2015</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
() Replied/No Interest	
() Replied/Have Interest	
() Replied/Other	

Tribe/NHO Contacted Through TCNS

3) Tribe/NHO FRN:
4) Tribe/NHO Name: Tuscarora Nation

Contact Name

5) First Name: Leo	6) MI: R	7) Last Name: Henry	8) Suffix:
9) Title: Chief			

Dates & Response

10) Date Contacted <u>07/30/2015</u>	11) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
() Replied/No Interest	
() Replied/Have Interest	
() Replied/Other	

Other Tribes/NHOs Contacted

Tribe/NHO Information

1) FCC Registration Number (FRN):
2) Name:

Contact Name

3) First Name:	4) MI:	5) Last Name:	6) Suffix:
7) Title:			

Contact Information

8) P.O. Box:	And /Or	9) Street Address:	
10) City:		11) State:	12) Zip Code:
13) Telephone Number:		14) Fax Number:	
15) E-mail Address:			
16) Preferred means of communication: () E-mail () Letter () Both			

Dates & Response

17) Date Contacted _____	18) Date Replied _____
() No Reply	
() Replied/No Interest	
() Replied/Have Interest	
() Replied/Other	

Historic Properties

Properties Identified

1) Have any historic properties been identified within the APEs for direct and visual effect?	() <u>Y</u> es (X) <u>N</u> o
2) Has the identification process located archaeological materials that would be directly affected, or sites that are of cultural or religious significance to Tribes/NHOs?	() <u>Y</u> es (X) <u>N</u> o
3) Are there more than 10 historic properties within the APEs for direct and visual effect? If "Yes", you are required to attach a Cultural Resources Report in lieu of adding the Historic Property below.	() <u>Y</u> es (X) <u>N</u> o

Historic Property

4) Property Name:
5) SHPO Site Number:

Property Address

6) Street Address:		
7) City:	8) State:	9) Zip Code:
10) County/Borough/Parish:		

Status & Eligibility

11) Is this property listed on the National Register? Source: _____	() <u>Y</u> es () <u>N</u> o
12) Is this property eligible for listing on the National Register? Source: _____	() <u>Y</u> es () <u>N</u> o
13) Is this property a National Historic Landmark?	() <u>Y</u> es () <u>N</u> o

14) Direct Effects (Select One): () No Effect on this Historic Property in APE () No Adverse Effect on this Historic Property in APE () Adverse Effect on this Historic Property in APE
15) Visual Effects (Select One): () No Effect on this Historic Property in APE () No Adverse Effect on this Historic Property in APE () Adverse Effect on this Historic Property in APE

Local Government Involvement

Local Government Agency

1) FCC Registration Number (FRN):
2) Name: Person County Planning & Zoning Department

Contact Name

3) First Name: Michael	4) MI:	5) Last Name: Ciriello	6) Suffix:
7) Title: Director			

Contact Information

8) P.O. Box:	And /Or	9) Street Address: 325 S. Morgan Street	
10) City: Roxboro		11) State: NC	12) Zip Code: 27573
13) Telephone Number: (336)597-1750		14) Fax Number:	
15) E-mail Address:			
16) Preferred means of communication: () E-mail (X) Letter () Both			

Dates & Response

17) Date Contacted 08/05/2015	18) Date Replied _____
(X) No Reply	
() Replied/No Interest	
() Replied/Have Interest	
() Replied/Other	

Additional Information

19) Information on local government's role or interest (optional): No reply has been received to date.
--

Other Consulting Parties

Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	(<input checked="" type="checkbox"/>) <u>Yes</u> () <u>No</u>
--	---

Consulting Party

2) FCC Registration Number (FRN):
3) Name: Person County Museum of History

Contact Name

4) First Name: To Whom	5) MI:	6) Last Name: It May Concern	7) Suffix:
8) Title:			

Contact Information

9) P.O. Box:	And /Or	10) Street Address: 309 North Main Street		
11) City: Roxboro		12) State: NC	13) Zip Code: 27573	
14) Telephone Number: (336)597-2884		15) Fax Number:		
16) E-mail Address: pcmuseum@roxboro.net				
17) Preferred means of communication: () E-mail (<input checked="" type="checkbox"/>) Letter () Both				

Dates & Response

18) Date Contacted 08/05/2015	19) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
() Replied/No Interest	
() Replied/Have Interest	
() Replied/Other	

Additional Information

20) Information on other consulting parties' role or interest (optional): No reply has been received to date.

Other Consulting Parties

Other Consulting Parties Contacted

1) Has any other agency been contacted and invited to become a consulting party?	(<input checked="" type="checkbox"/>) <u>Yes</u> () <u>No</u>
--	---

Consulting Party

2) FCC Registration Number (FRN):
3) Name: Preservation NC

Contact Name

4) First Name: Cathleen	5) MI:	6) Last Name: Turner	7) Suffix:
8) Title: Regional Director			

Contact Information

9) P.O. Box: 3597	And /Or	10) Street Address:	
11) City: Durham		12) State: NC	13) Zip Code: 27702
14) Telephone Number: (919)401-8540		15) Fax Number:	
16) E-mail Address: cturner@presnc.org			
17) Preferred means of communication: () E-mail (<input checked="" type="checkbox"/>) Letter () Both			

Dates & Response

18) Date Contacted 08/05/2015	19) Date Replied _____
(<input checked="" type="checkbox"/>) No Reply	
() Replied/No Interest	
() Replied/Have Interest	
() Replied/Other	

Additional Information

20) Information on other consulting parties' role or interest (optional): No reply has been received to date.

Designation of SHPO/THPO

1) Designate the Lead State Historic Preservation Officer (SHPO) or Tribal Historic Preservation Officer (THPO) based on the location of the tower.

SHPO/THPO

Name: **North Carolina Division of Archives & History**

2) You may also designate up to three additional SHPOs/THPOs if the APEs include multiple states. If the APEs include other countries, enter the name of the National Historic Preservation Agency and any state and provincial Historic Preservation Agency.

SHPO/THPO Name: _____

SHPO/THPO Name: _____

SHPO/THPO Name: _____

Certification

I certify that all representations on this FCC Form 620 Submission Packet and the accompanying attachments are true, correct, and complete.

Party Authorized to Sign

First Name: **Andrew**

MI: **B**

Last Name: **Blake**

Suffix:

Signature: **Andrew B Blake**

Date: **08/05/2015**

FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID.

WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. Code, Title 18, Section 1001) AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. Code, Title 47, Section 312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, Section 503).

Attachments :

Type	Description	Date Entered
Resumes/Vitae	Terri Russ Resume	08/05/2015
Map Documents	Aerial Photograph	08/05/2015
Area of Potential Effects	Topographic Map with APE	08/05/2015
Tribal/NHO Involvement	FCC ASR Confirmation	08/05/2015
Tribal/NHO Involvement	FCC Initial Email	08/05/2015
Tribal/NHO Involvement	FCC Tribe List	08/05/2015
Public Involvement	Public Notice (8-1-15) The Courier Times	08/05/2015
Historic Properties for Visual Effects	SHPO Map	08/05/2015
Historic Properties for Visual Effects	SHPO Results	08/05/2015
Historic Properties for Direct Effects	Archaeological Assessment	08/05/2015
Photographs	Site Photographs	08/05/2015
Additional Site Information	Construction Drawings	08/05/2015
Historic Properties for Visual Effects	Visual Effects Research Summary	08/05/2015
Historic Properties for Direct Effects	Direct Effects Research Summary	08/05/2015
Other	NT Submission Packet Information	08/05/2015
Other	Cover Letter	08/05/2015
State-Specific Forms	NC SHPO CT Form	08/05/2015
Tribal/NHO Involvement	Sample Tribe Letter	08/05/2015
Local Government Involvement	Sample Local Government Letter	08/05/2015
Additional Site Information	Sample Additional Consulting Parties Letter	08/05/2015

NT SUBMISSION PACKET – FCC FORM 620

Attachments

Attachment 1. Résumés/Vitae

See attached resumes of Terri Russ, Senior Archeologist.

Attachment 2. Additional Site Information

The proposed 300-ft (320-ft AGL with appurtenances) self-support emergency services tower will be located north of a portion of Berry Hill Road, northeast of a portion of Claude Hall Road, and west of a portion of Bethel Hill School Road, and north-northeast of the City of Roxboro, in Person County, North Carolina. The proposed communications tower facility will be located on the northeastern portion of an approximately 35.48-acre property, identified as PIN # 0020-00-33-6533.000 by the Person County, NC Tax Assessors Office. Access to the site will be provided by a proposed 25-ft wide access & utility easement that will proceed north-northeast from a portion of Claude Hall Road for approximately 1,600-ft along an existing earthen road and through a fallow agricultural field until reaching the proposed irregularly shaped lease area.

The topography of the proposed tower compound is gently sloping to the northwest. The parent property is located in a portion of Person County where the majority of the surrounding area is occupied by undeveloped forested, low density residential, agricultural, and institutional land uses associated with the Bethel Hill Elementary School.

Attachment 3. Tribal and NHO Involvement

Tower Engineering Professionals filed the proposed facility with the FCC – Tower Construction Notification System (TCNS) on 7/27/2015 and was assigned TCNS# 129667. In addition, TEP personnel sent, via email or standard mail, correspondence to all the applicable tribes except the Eastern Shawnee Tribe of Oklahoma (ESTO), on 8/5/2015. At the request of Ms. Robin Dushane, TEP personnel will send, via email and standard mail, correspondence to the Eastern Shawnee Tribe of Oklahoma once a response from the North Carolina State Historic Preservation Office (NC SHPO) has been received.

Attachment 4.

TEP contacted the Person County Planning & Zoning Department on August 5, 2015 and invited them to be a consulting party regarding the proposed tower site.

Attachment 5.

TEP placed a Public Notice in “The Courier-Times” newspaper that will be advertised on August 1, 2015. Please see the attached Public Notice text.

Attachment 6.

TEP contacted the Person County Museum of History and Preservation North Carolina on August 5, 2015 requesting any comments they may have regarding the proposed undertaking within 30 days of receipt of the correspondence.

Attachment 7.

- a. The geographic area, scale and nature of the undertaking and subsequent effects of the proposed project were analyzed to determine the APE for direct effects. The determined APE for direct effects is the proposed fenced compound lease area and the proposed access and utilities easement locations. The potential area of disturbance associated with the proposed irregularly shaped Person County Emergency Services lease area, and 25-ft wide access & utility easement, including an approximately 45-ft x 25-ft turnaround, is anticipated to total approximately 2,975-ft² (0.98-acres) of a forested area, fallow agricultural field and existing gravel road. See attached Construction Drawings.
- b. The geographic area, scale and nature of the undertaking and subsequent effects of the proposed project were analyzed to determine the APE for visual effects. Further, required background research and suggested standards in the FCC Nationwide Programmatic Agreement were reviewed to determine the APE for visual effects for the proposed project. The APE for visual effects is determined to be a 0.75-mile radius from the proposed site. The determined APE for visual effects is currently primarily occupied by undeveloped forested, low density residential, agricultural, and institutional land uses associated with the Bethel Hill Elementary School.

Attachment 8. Historic Properties Identified in the APE for Visual Effects

- a. No (0) properties pursuant to Section VI.D.1.a. of the Nationwide PA were identified in the determined FCC 0.75-mile APE for visual effects.
- b. As of 8/5/2015 TEP has not been made aware of any properties identified by comment in the determined APE for visual effects.
- c. No (0) listed or eligible properties that are no longer eligible were identified in the determined APE for visual effects during the research completed on the North Carolina State Historic Preservation Office (NC SHPO) website.

Attachment 9. Historic Properties Identified in the APE for Direct Effects

- a.** No (0) properties listed on or eligible for listing on the National Register of Historic Places were located within the APE for direct effects.
- b.** N/A
- c.** TEP contracted Environmental Services, Inc., a cultural resources consulting firm, to provide an Archaeological Assessment for the proposed tower site. Terri Russ of Environmental Services, Inc., performed an archaeological assessment of the proposed site in July of 2015. The report indicated that “no archaeological sites were documented within the proposed cell tower compound or access easement.” The report has been included for your review.

Attachment 10. Effects on Identified Properties

- a. No Effect** – No (0) properties listed on or eligible for listing on the National Register of Historic Places was identified within the 0.75-mile APE.
- b.** None
- c.** N/A

Attachment 11. Photographs

- a.** See attached site photographs and attached Archaeological Assessment completed by Environmental Services, Inc.
- b.** N/A
- c.** N/A
- d.** See attached aerial photograph

Attachment 12. Maps

- a.** See attached
- b.** See attached
- c.** See attached
- d.** See attached

Direct Effect Research Summary

Background research to identify Historic Properties within the *direct effects* APE associated with the proposed 300-ft self-support tower (320-ft with appurtenances) was conducted by Terri Russ, Environmental Services, Inc. Senior Archeologist on July 20, 2015, which included a search of archeological site records at the Office of State Archaeology in Raleigh, NC.

Research Results

Total historic resources: 0

Total NR listed or eligible: 0

Total not eligible resources: 0

Site Number	Site Name	County	State	SHPO Status	Resource Description	Approx. Distance from Tower
NO SITES FOUND						

Visual Effect Research Summary

Background research to identify Historic Properties within the 0.75-mile *visual effects* APE associated with the proposed 300-ft self-support tower (320-ft with appurtenances) was conducted by TEP on July 27, 2015, which included a search of National Register of Historic Places records on the North Carolina State Historic Preservation Office (NC SHPO) website. Found at:

(<http://gis.ncdcr.gov/hpoweb/>)

Visual Effects Research Results

Total historic resources: 1

Total NR listed or eligible: 0

Locally designated historic resources: 0

Total Not Eligible Historic Resources: 1

Site Number	Site Name	County	State	SHPO Status	Resource Description	Approx. Distance from Tower
Architectural Sites						
PR0031	Hall House	Person	NC	SO	2-story Georgian/Greek Revival	
Archaeological Sites						
No sites identified						

**BETHEL HILL TOWER, PERSON COUNTY, NORTH CAROLINA
ARCHAEOLOGICAL ASSESSMENT
LETTER REPORT**

**By: Terri Russ, MA, RPA
Environmental Services, Inc.
4901 Trademark Drive
Raleigh, NC 27610**

Tower Engineering Professionals, Inc., (TEP) is assisting in the development of a telecommunications facility in Person County, North Carolina. The project area consists of a proposed 300-foot self-support tower located within an approximately 2,400 square foot lease area. The proposed tower site and lease area are accessed from Berry Hill Road in Roxboro, North Carolina (**Figures 1 and 2**).

TEP requested that Environmental Services, Inc., (ESI) conduct an assessment of the project's Direct Effects (archaeological investigation) to meet the requirements of Section 106 of the *National Historic Preservation Act* (NHPA) and the Federal Communications Commission (FCC) Cell Tower Programmatic Agreement of 5 October 2004. This letter report summarizes the results of ESI's investigations.

Environmental Setting

The proposed tower site is located approximately 200 meters northeast of a tributary of Bamboo Branch within the Roanoke River basin. Map units (soil series) are named for the major soil or soils within the unit, but may have minor inclusions of other soils (NRCS 2014). The soil units mapped in the project area are listed in **Table 1**.

Table 1: Project Area Soils

Soil Name	Code	Slope	Drainage	Landform
Cecil sandy loam	CeB	2–6%	Well Drained	Interfluves
Siloam loam	SmF	15–45%	Well Drained	Hillslopes on Ridges

Cultural Background

The prehistoric cultural chronology of North Carolina was developed based on the excavation of stratified archaeological sites and was first compiled by Coe (1964). Mathis and Crow (1983) and Ward and Davis (1999) summarized further refinements. The major prehistoric cultural periods in North Carolina are the Pre-Clovis, Paleoindian, Archaic, Woodland, and Contact, which are detailed below in **Table 2**. Those who are interested in a more in-depth discussion of the prehistory of the region can turn to *Time Before History: The Archaeology of North Carolina* by H. Trawick Ward and R.P. Stephen Davis from the University of North Carolina Press.

Table 2: Prehistoric Chronology of North Carolina

Cultural Period	Temporal Placement
<u>Pre-Clovis</u>	??? –10000 B.C.
<u>Paleoindian</u>	10000 – 8000 B.C.
<u>Archaic</u>	
<i>Early</i>	8000 – 6000 B.C.
<i>Middle</i>	6000 – 3000 B.C.
<i>Late</i>	3000 – 1000 B.C.
<u>Woodland</u>	
<i>Early/Middle</i>	1000 B.C. – A.D. 1000
<i>Late</i>	A.D. 800 – 1600
<u>Contact</u>	A.D. 1600 – 1710

Previously Recorded Archaeological Sites or Historic Structures

A search of North Carolina State Historic Preservation Office (SHPO) records revealed that no previously recorded historic properties sites listed in or determined eligible for listing in the National Register of Historic Places (National Register) are located within a 0.75-mile radius of the project area (**Figure 3**). Research at the North Carolina Office of State Archaeology (OSA) on 20 July 2015 revealed that no previously recorded archaeological sites have been recorded in close proximity to the project vicinity.

Results of the Investigation of Direct Effects

The APE for Direct Effects is limited to the areas of subsurface disturbance resulting from the construction of the tower and access drive/utility easement. ESI archaeologist and field director Terri Russ conducted an archaeological investigation of the project area on July 28–29, 2015. This included visual inspection and shovel testing of the project area, including the access road/utility easement and tower lease area. Photos of the project area are shown as **Figures 4–9**.

The proposed access and utility easement follows an existing unpaved access road for a portion of its length. The new location access and utility easement is located within a grassy pasture/former agricultural area. The proposed tower site is located within a wooded area adjacent to the pasture. The surface visibility along the existing unpaved (earthen and gravel) access road in the project area was excellent due to erosion and lack of ground cover. Surface visibility along the new location portions of the proposed access and utility easement and

proposed tower location was poor due to existing vegetation and/or leaf litter. Quartz outcropping was observed throughout the project area, including the proposed lease area and access road. Evidence of modern dumping was observed within the proposed lease area (beer cans and plastic bottles); no surface signs of past historic or prehistoric cultural activity were noted within the lease area or along the proposed access and utility easement.

Shovel testing was conducted along the proposed access and utility easement and within adjacent areas of proposed tree clearing (see attached **Shovel Test Locations**). Twenty-five shovel tests were placed along the proposed access and utility easement and within the adjacent areas of proposed clearing. Fourteen additional shovel tests were excavated within the proposed lease area, fenced compound, and adjacent areas of proposed tree clearing. Soils in the project area generally consisted of less than 10 centimeters of light yellowish brown or grayish brown sandy loam and rock over yellowish brown, dark yellowish brown, or light reddish brown clay or clay loam and rock. Shovel tests measured approximately 40 centimeters in diameter and were excavated to sterile subsoil. All soils were excavated by natural levels (soil strata) and screened through a 0.25-inch hardware mesh. No artifacts were recovered from any of the shovel tests (See attached **Shovel Test Log**).

Summary and Conclusions

ESI conducted an archaeological investigation of the proposed tower compound located off of Berry Hill Road in Roxboro, Person County, North Carolina for TEP in July 2015. No archaeological sites were recorded. As such, it is recommended that this project be allowed to proceed without concern for impacts to significant cultural resources. Should the boundary of the proposed tower site be expanded or moved, additional archaeological investigations may be necessary, as determined in consultation with the North Carolina State Historic Preservation Office (SHPO) per the FCC Programmatic Agreement.

References Cited

Coe, J.L.

- 1964 The Formative Cultures of the Carolina Piedmont. *Transactions of American Philosophical Society*, 54. Philadelphia.

Mathis, M., and J. Crow (eds)

- 1983 *The Prehistory of North Carolina: An Archaeological Symposium*. Division of Archives and History, North Carolina Department of Cultural Resources, Raleigh.

Natural Resources Conservation Services (NRCS)

- 2014 *Person County Soil Survey*. <http://websoilsurvey.nrcs.usda.gov/app/> Accessed 20 July 2015.

Ward, H.T., and R.P.S. Davis, Jr.

- 1999 *Time Before History: The Archaeology of North Carolina*. University of North Carolina Press, Chapel Hill.

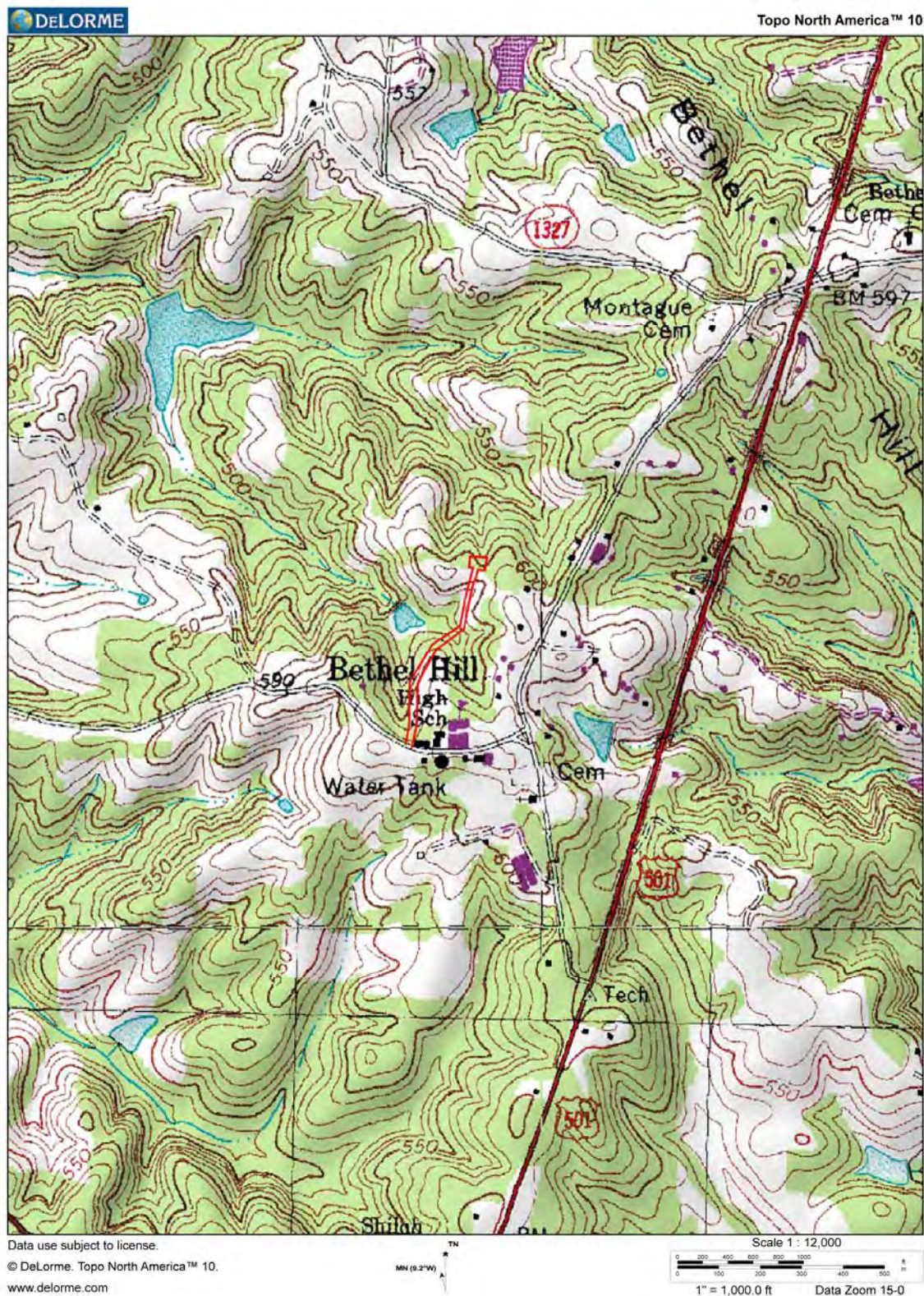




Figure 2: Aerial Photograph of Project Area.

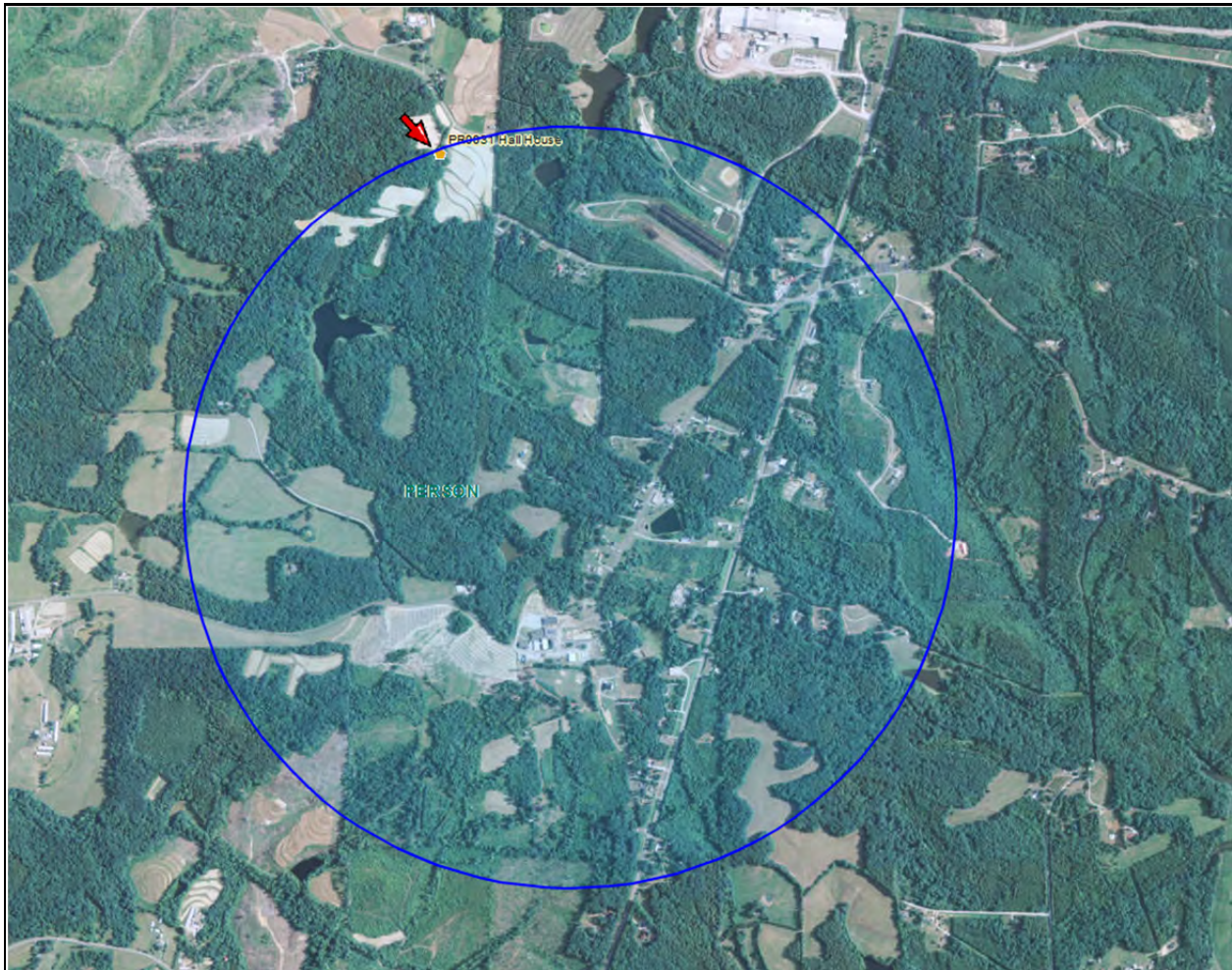


Figure 3: Previously Recorded Historic Structures Located Within the 0.75-mile APE (HPOWeb GIS Service).



Figure 4: View Along Existing Access and Utility Easement, facing North.



Figure 5: View Along Proposed Access and Utility Easement, facing North.



Figure 6: View of Proposed Lease Area, facing North.



Figure 7: View of Proposed Lease Area, facing East.



Figure 8: View of Proposed Lease Area, facing West.



Figure 9: View of Proposed Lease Area, facing South.

SHOVEL TEST LOG

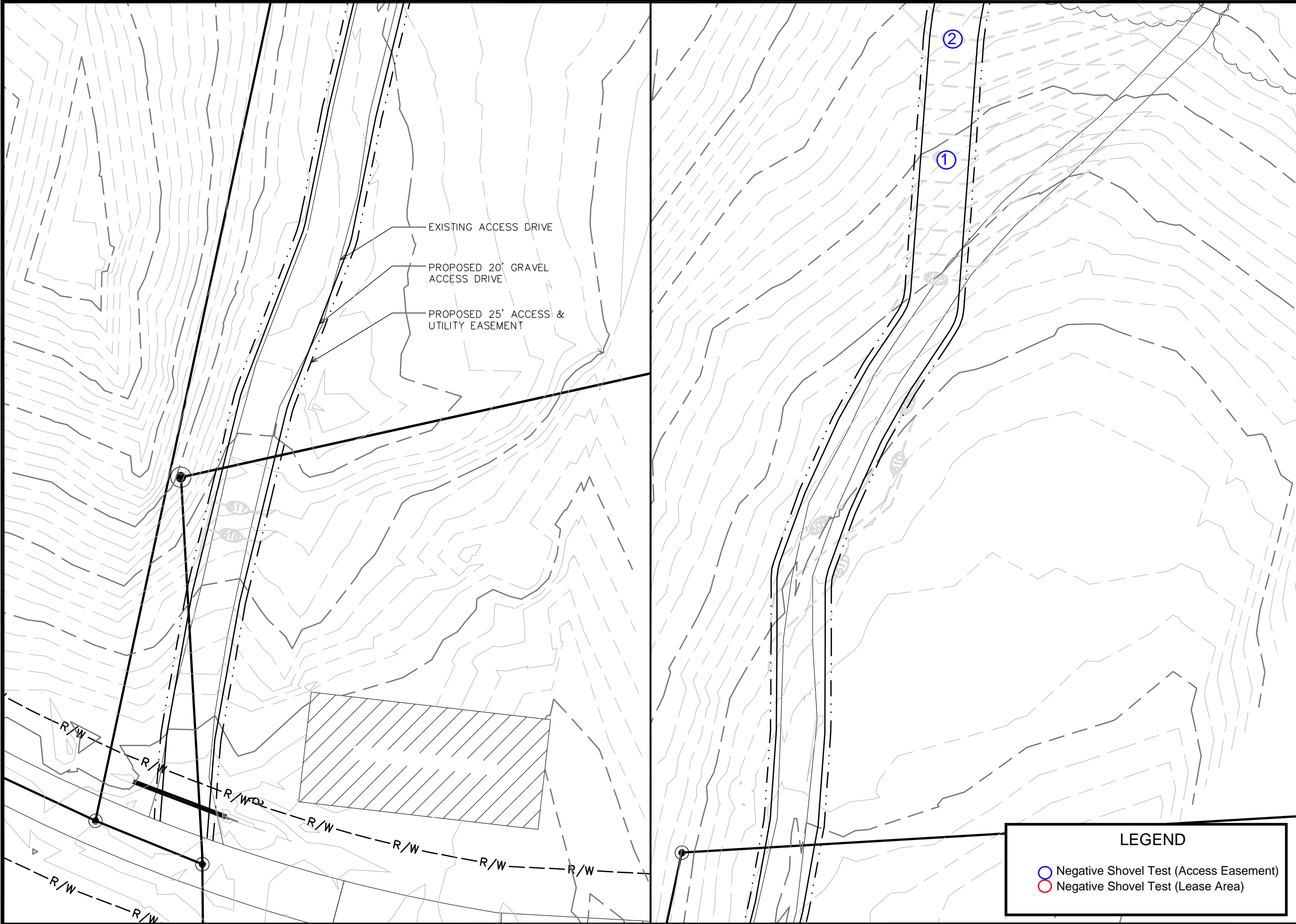
ACCESS/UTILITY EASEMENT				
ST#	Area**	Depth (cmbs)	Description	Comments
1-2	Access/ Utility Easement	Not Dug	Compact Gravel	Negative <i>Disturbed</i>
3	Access/ Utility Easement	0-10 10+	Grayish Brown sandy loam & rock rock impasse	Negative
4-6	Access/ Utility Easement	0-15 15+	Lt. Grayish Brown sandy loam & rock Yellow Brown sandy clay loam & rock	Negative
7	Access/ Utility Easement	0-5+	Lt. Reddish Brown clay & rock	Negative <i>eroded</i>
8	Access/ Utility Easement	0-5 5-15 15+	Lt. Yellow Brown loamy sand (slope wash) Lt. Grayish Brown sandy loam & rock Yellow Brown sandy clay loam & rock	Negative
9-10	Access/ Utility Easement	0-10 10+	Lt. Grayish Brown clay loam & rock Yellow Brown sandy clay loam & rock	Negative
11	Access/ Utility Easement	0-10 10+	Lt. Yellow Brown sand (slope wash) Gray silty clay loam (wet)	Negative
12-13	Access/ Utility Easement	Not Dug	Existing Road; excellent surface visibility	Negative
14-18	Access/ Utility Easement	0-10+	Lt. Reddish Brown loamy clay & rock	Negative <i>eroded</i>
19	Access/ Utility Easement	0-20 20+	Lt. Reddish Brown sandy loam & rock Lt. Reddish Brown clay loam	Negative
20-25	Access/ Utility Easement	0-10 10+	Brown sandy loam Dk. Yellow Brown loamy clay	Negative

**See Figure for shovel test locations. All shovel tests measured approximately 40 centimeters in diameter

LEASE AREA				
ST#	Area**	Depth (cmbs)	Description	Comments
1	Tower Centerline	0-5+	Yellow Brown clay & rock	Negative <i>eroded</i>
2, 5-9	Lease Area	0-10 10+	Lt. Yellow Brown sandy loam & rock Yellow Brown clay loam	Negative
3-4	Lease Area	0-5+	Yellow Brown clay loam & rock	Negative <i>eroded</i>
10-11	Clearing Limits	0-10 10+	Lt. Yellow Brown sandy loam & rock Yellow Brown clay loam	Negative
12-13	Lease Area	0-10 10+	Lt. Yellow Brown sandy loam & rock Yellow Brown clay loam	Negative
14	Clearing Limits	0-5 5+	Lt. Yellow Brown sandy clay loam rock impasse	Negative

***See Figure for shovel test locations. All shovel tests measured approximately 40 centimeters in diameter*

SHOVEL TEST LOCATIONS



GRADING PLAN

SCALE: 1" = 40'

LEGEND

- Negative Shovel Test (Access Easement)
- Negative Shovel Test (Lease Area)



PLANS PREPARED FOR:



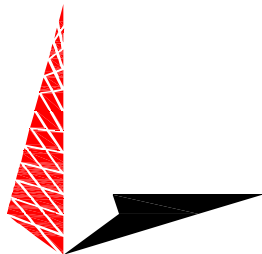
304 SOUTH MORGAN STREET
ROXBORO, NC 27573
OFFICE: (336) 597-1720

PROJECT INFORMATION:

BETHEL HILL

CLAUDE HALL ROAD
ROXBORO, NC 27574
(PERSON COUNTY)

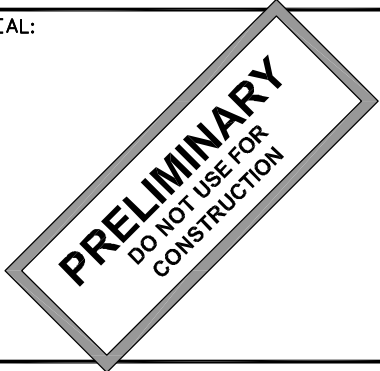
PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS
326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.tepgroup.net

N.C. LICENSE # C-1794

SEAL:



2	07-15-15	ROAD REVISION
1	03-16-15	TOWER & ROAD RELOCATION
0	10-24-14	PRELIMINARY ZONING
REV	DATE	ISSUED FOR:

DRAWN BY: LES CHECKED BY: JBG

SHEET TITLE:

GRADING PLAN I

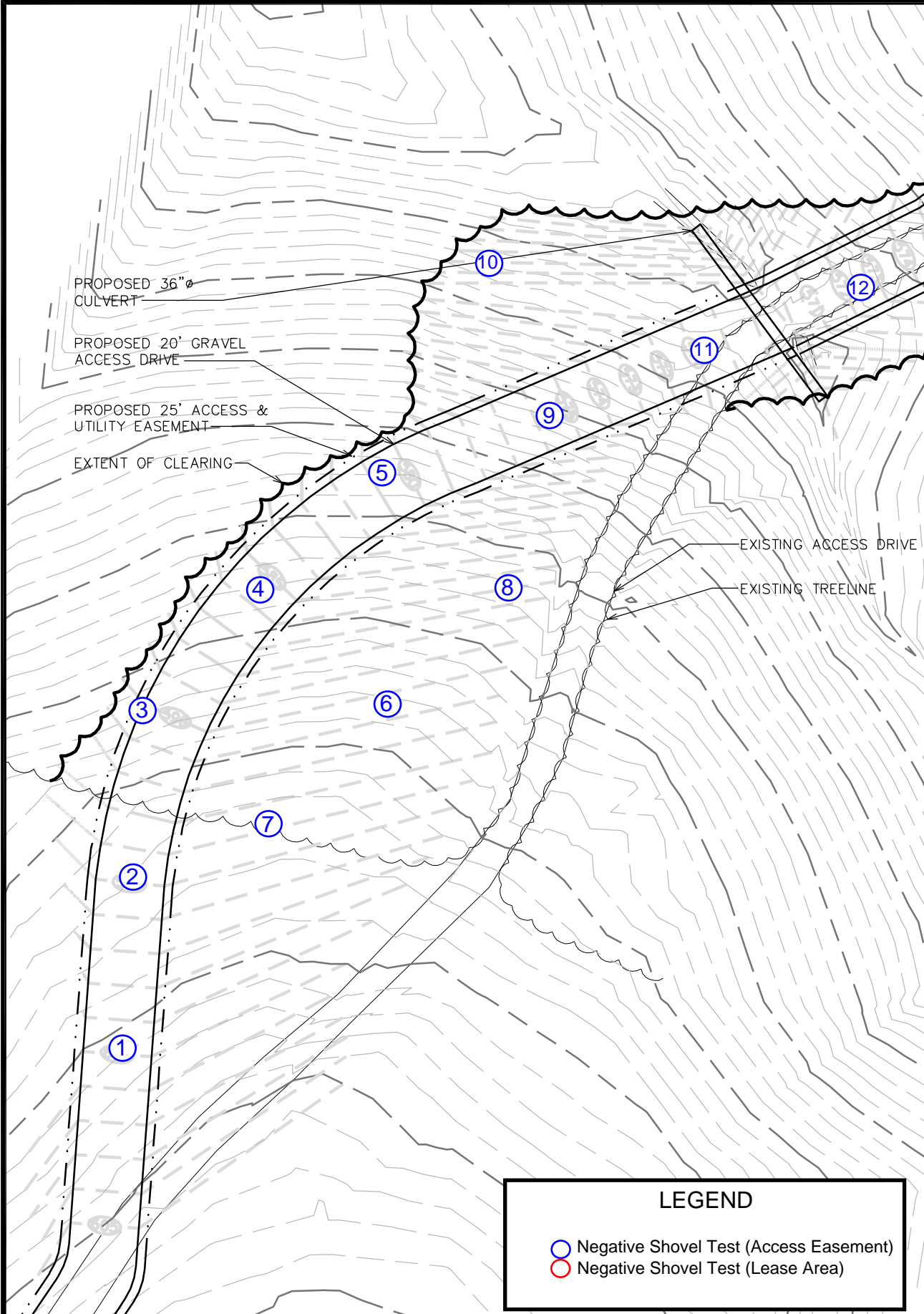
SHEET NUMBER:

Z-3A

REVISION:

2

TEP #:57455_42843



LEGEND

Negative Shovel Test (Access Easement)

Negative Shovel Test (Lease Area)



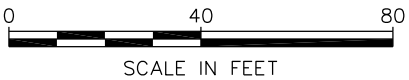
LEGEND

Negative Shovel Test (Access Easement)


Negative Shovel Test (Lease Area)

GRADING PLAN II

SCALE: 1" = 40'



PLANS PREPARED FOR:



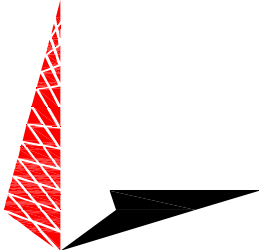
304 SOUTH MORGAN STREET
ROXBORO, NC 27573
OFFICE: (336) 597-1720

PROJECT INFORMATION:

BETHEL HILL

CLAUDE HALL ROAD
ROXBORO, NC 27574
(PERSON COUNTY)

PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS
326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
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N.C. LICENSE # C-1794

SEAL:

PRELIMINARY

DO NOT USE FOR CONSTRUCTION

2	07-15-15	ROAD REVISION
1	03-16-15	TOWER & ROAD RELOCATION
0	10-24-14	PRELIMINARY ZONING
REV	DATE	ISSUED FOR:

DRAWN BY: LES

CHECKED BY: JBG

SHEET TITLE:

GRADING PLAN II

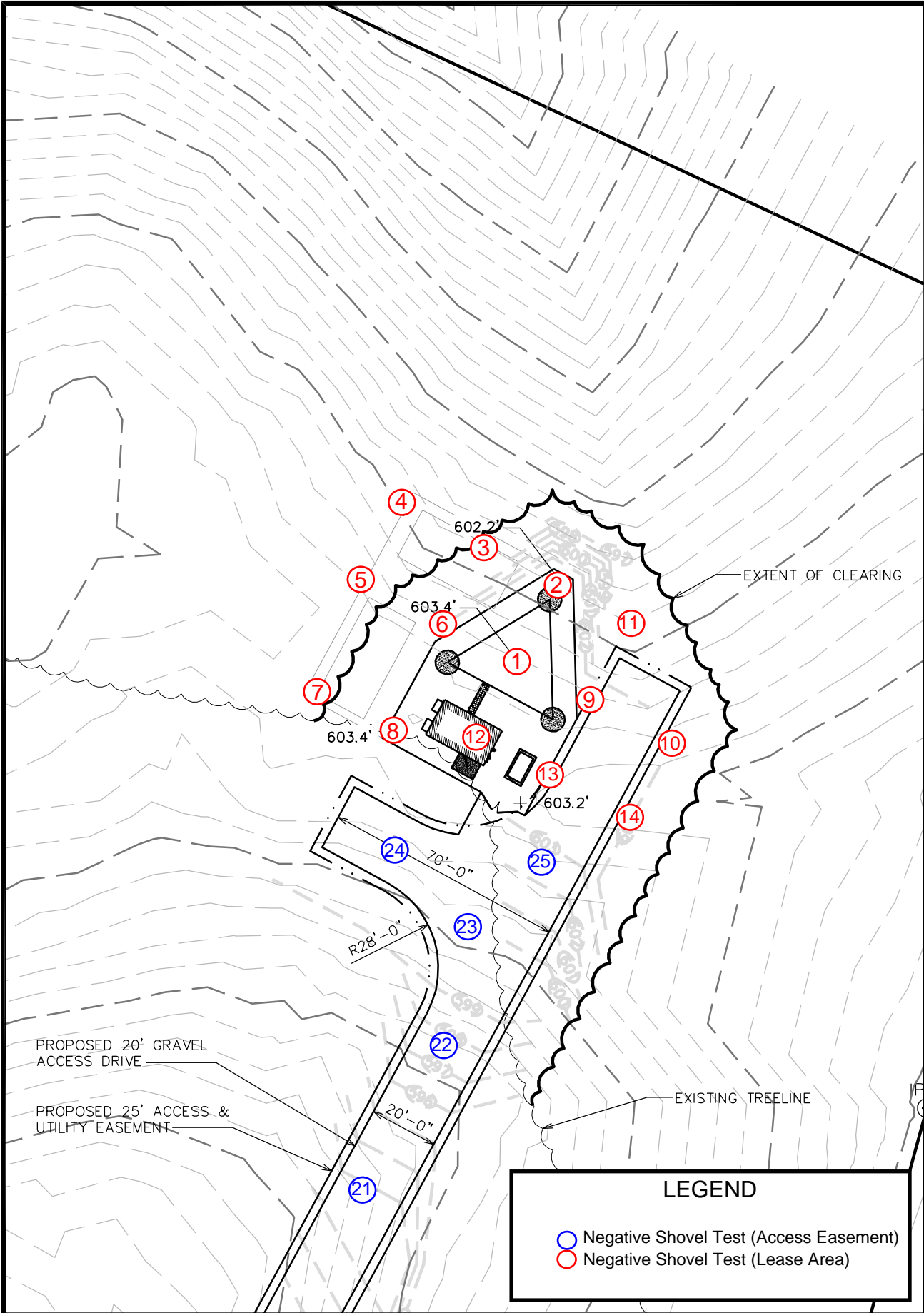
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Z-3B

REVISION:

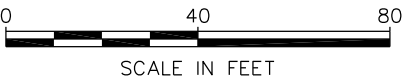
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TEP #:57455_42843



GRADING PLAN II

SCALE: 1" = 40'



PLANS PREPARED FOR:



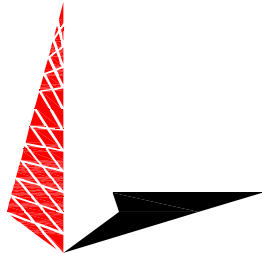
304 SOUTH MORGAN STREET
ROXBORO, NC 27573
OFFICE: (336) 597-1720

PROJECT INFORMATION:

BETHEL HILL

CLAUDE HALL ROAD
ROXBORO, NC 27574
(PERSON COUNTY)

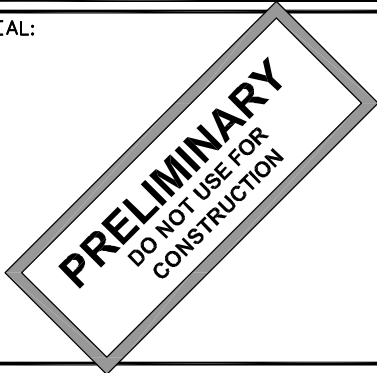
PLANS PREPARED BY:



TOWER ENGINEERING PROFESSIONALS
326 TRYON ROAD
RALEIGH, NC 27603-3530
OFFICE: (919) 661-6351
www.tepgroup.net

N.C. LICENSE # C-1794

SEAL:



2	07-15-15	ROAD REVISION
1	03-16-15	TOWER & ROAD RELOCATION
0	10-24-14	PRELIMINARY ZONING
REV	DATE	ISSUED FOR:

DRAWN BY: LES CHECKED BY: JBG

SHEET TITLE:

GRADING PLAN III

SHEET NUMBER:

Z-3C

REVISION:

2

TEP #:57455_42843



ENVIRONMENTAL SERVICES, INC.

TERRI RUSS, RPA – SENIOR SCIENTIST III

Education Level:

M.A. Anthropology.
East Carolina University.
2002

A.A.S. Archaeology/
Historic Preservation.
Randolph Community
College.
1999

B.A. Anthropology.
University of North
Carolina at Chapel Hill.
1995

Years Experience:

14

ESI Office:

Raleigh

PROFESSIONAL EXPERIENCE SUMMARY

Ms. Russ is an archaeologist with over fourteen years experience in cultural resource management and academic archaeology. Previous cultural resource management projects include Phase I archaeological surveys, Phase II archaeological test investigations, and Phase III site mitigation for private, municipal, state, and federal clients.

RESPONSIBILITIES WITH ENVIRONMENTAL SERVICES, INC.

Ms. Russ is responsible for all phases of cultural resource projects management including background research, field investigations, artifact analysis and curation, and the preparation of final reports. Specialties include Phase I archaeological survey and site assessment, Phase II testing of archaeological sites, and Phase III mitigation and data recovery of archaeological sites.

PRIOR EXPERIENCE

2004-Present	ENVIRONMENTAL SERVICES, INC.
1998-2004	TRC GARROW ASSOCIATES, INC.
2003	LOUIS BERGER GROUP.
2002	COASTAL CAROLINA RESEARCH.
2000-2002	PHELPS ARCHAEOLOGY LABORATORY, EAST CAROLINA UNIVERSITY.
1997	U.S. FOREST SERVICE

PROFESSIONAL AFFILIATIONS

Registered Professional Archaeologist (RPA)
Southeastern Archaeological Conference (SEAC)
Society for Historical Archaeology (SHA)
North Carolina Archaeological Council (NCAC)
North Carolina Archaeological Society (NCAS)
NCAS President (2007-2009)
NCAS Board of Directors (2001-2003, 2005-2007)
NCAS Coastal Plains Chapter Secretary (2000-2002)

REPRESENTATIVE PROJECT EXPERIENCE

Archaeological Survey, US 17 Jacksonville to New Bern, Jones and Onslow counties, North Carolina
Archaeological Survey, Catawba River WTP and Reservoir, Lancaster County, South Carolina
Archaeological Survey, Honey Hill Analysis Area, Francis Marion National Forest, Berkeley and Charleston counties, South Carolina
Archaeological Survey of the K&M Landfill, Pickens and Gilmer Counties, Georgia
Archaeological Testing and Data Recovery of 38LA560, Edenmoor, Lancaster County, South Carolina
Archaeological Data Recovery of the Windsor Site (31BR201/201**), US 17 Windsor Bypass, Bertie County, North Carolina
Archaeological Data Recovery of 9BI132, 9BI133, and 9BI134, Cherokee Brick and Tile Company, Bibb County, Georgia
Archaeological and Architectural Survey and Site Relocation: ENCNG Distribution Lines. Multiple counties, North Carolina.
Architectural Survey, Saluda Tower. Polk and Henderson counties, North Carolina.

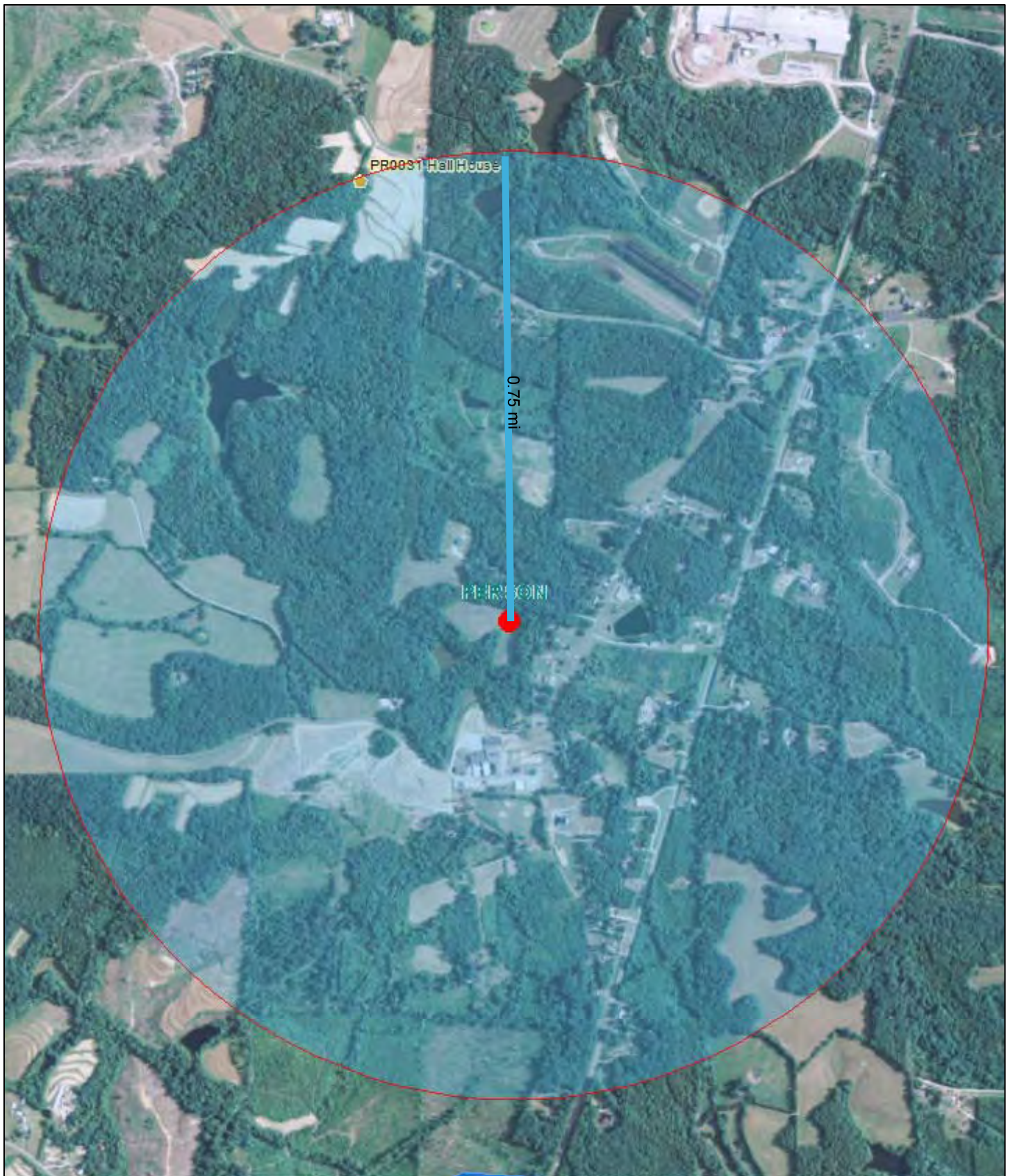
REPRESENTATIVE PUBLICATIONS

Selected Technical Reports

- 2010 *Archaeological Survey and Evaluation of the US 17 Improvements from Jacksonville to New Bern, Jones and Onslow Counties, North Carolina.* Environmental Services, Inc. Report of Investigations No.1358, Raleigh, North Carolina.
- 2008 *Archaeological Data Recovery of the Windsor Site (31BR201/201**), US 17 Windsor Bypass, Bertie County, North Carolina.* Environmental Services, Inc., Raleigh, North Carolina.
- 2006 *An Intensive Cultural Resource Investigation Arlington Shores, Pamlico County, North Carolina.* Environmental Services, Inc. Report of Investigations No. 899, Raleigh, North Carolina.

Other Papers and Conference Presentations

- 2008 Sandy Point: A Changing Historical Landscape. Poster Presented at the 65th Annual Meeting of the Southeastern Archaeological Conference, Charlotte, North Carolina.
- 2006 Review of Grave Intentions: A Comprehensive Guide to Preserving Historic Cemeteries in Georgia. Christine Van Voorhies, Georgia Department of Natural Resources. Historical Archaeology, Vol. 40, No. 2.
- 2006 Review of Mortuary Monuments and Burial Grounds of the Historic Period. Harold Mytum, Kluwer/Plenum Publishers. Historical Archaeology, Vol. 40, No. 2.
- 2002 *Uwharrie Ceramic Distribution in the Piedmont.* Unpublished M.A. Thesis. Department of Anthropology. East Carolina University. Greenville, North Carolina.



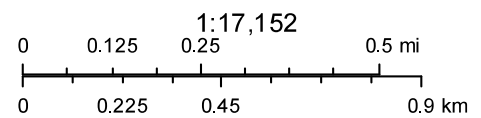
July 27, 2015

NR Points

● NR Individual Listing

● NR Listing, Gone

★ NRHP County Point



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Site Name	Status	Site ID	County	Description	Year Listed	Year SL	Year DOE	Year Landr	Year Surve	Year Upda	Notes	Quad Nam	Latitude	Longitude
Hall House	SO	PR0031	Person	2-story Georgian/Greek Revival						1975		Cluster Spr	36.51799	-78.9225



Tower Construction Notification

[FCC](#) > [WTB](#) > Tower Construction Notification

[FCC Site Map](#)

Logged In: ([Log Out](#)) [Section 106](#)

Tower Construction Notification New Notification

[Notifications Home](#)

Your Notification has been successfully submitted to the FCC. The date for this Notification is 07/27/2015. Your Notification ID number is **129667**. Please make a note of this Notification ID — print out this page for your records. A confirmation of this submitted notification will also be emailed to the email address specified in your notification.

This system is intended to facilitate consultation under Section 106 of the National Historic Preservation Act by providing early notification of proposed construction to Tribes and State Historic Preservation officers. This system is not to be used in place of Section 106 consultation, and use of this notification system in itself does not satisfy parties' obligations with respect to historic preservation review under the Commission's rules.

Please note: the submission of this notification is NOT to be considered a submission for Antenna Structure Registration.

Tower Structures that require antenna structure registration based on FCC Rules 47 C.F.R. Part 17 must complete FCC Form 854 after FAA clearance is obtained.

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ASR Online Systems

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Federal Communications Commission
445 12th Street SW
Washington, DC 20554
[More FCC Contact Information...](#)

Phone: 1-877-480-3201
TTY: 1-717-338-2824
Fax: 1-866-418-0232
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- [Required Browser Plug-ins](#)
- [Customer Service Standards](#)
- [Freedom of Information Act](#)

Andrew Blake

From: towernotifyinfo@fcc.gov
Sent: Monday, July 27, 2015 12:40 PM
To: Andrew Blake
Subject: Proposed Tower Structure Info - Email ID #4291786

Dear Andrew B Blake,

Thank you for submitting a notification regarding your proposed construction via the Tower Construction Notification System. Note that the system has assigned a unique Notification ID number for this proposed construction. You will need to reference this Notification ID number when you update your project's Status with us.

Below are the details you provided for the construction you have proposed:

Notification Received: 07/27/2015

Notification ID: 129667
Tower Owner Individual or Entity Name: Person County
Consultant Name: Andrew B Blake
Street Address: 326 Tryon Road
City: Raleigh
State: NORTH CAROLINA
Zip Code: 27603-3530
Phone: 919-661-6351
Email: ablake@tepgroup.net

Structure Type: LTOWER - Lattice Tower
Latitude: 36 deg 30 min 28.8 sec N
Longitude: 78 deg 55 min 4.9 sec W
Location Description: Claude Hall Road
City: Roxboro
State: NORTH CAROLINA
County: PERSON
Detailed Description of Project:
Ground Elevation: 183.9 meters
Support Structure: 91.4 meters above ground level
Overall Structure: 97.5 meters above ground level
Overall Height AMSL: 281.4 meters above mean sea level

Andrew Blake

From: towernotifyinfo@fcc.gov
Sent: Friday, July 31, 2015 3:02 AM
To: Andrew Blake
Cc: Jonathan.Jonas@fcc.gov; diane.dupert@fcc.gov
Subject: NOTICE OF ORGANIZATION(S) WHICH WERE SENT PROPOSED TOWER
CONSTRUCTION NOTIFICATION INFORMATION - Email ID #4294052

Dear Sir or Madam:

Thank you for using the Federal Communications Commission's (FCC) Tower Construction Notification System (TCNS). The purpose of this electronic mail message is to inform you that the following authorized persons were sent the information you provided through TCNS, which relates to your proposed antenna structure. The information was forwarded by the FCC to authorized TCNS users by electronic mail and/or regular mail (letter).

Persons who have received the information that you provided include leaders or their designees of federally-recognized American Indian Tribes, including Alaska Native Villages (collectively "Tribal Nations"), Native Hawaiian Organizations (NHOs), and State Historic Preservation Officers (SHPOs). For your convenience in identifying the referenced Tribal Nations and NHOs and in making further contacts, the City and State of the Seat of Government for each Tribal Nation and NHO, as well as the designated contact person, is included in the listing below. We note that Tribal Nations may have Section 106 cultural interests in ancestral homelands or other locations that are far removed from their current Seat of Government. Pursuant to the Commission's rules as set forth in the Nationwide Programmatic Agreement for Review of Effects on Historic Properties for Certain Undertakings Approved by the Federal Communications Commission (NPA), all Tribal Nations and NHOs listed below must be afforded a reasonable opportunity to respond to this notification, consistent with the procedures set forth below, unless the proposed construction falls within an exclusion designated by the Tribal Nation or NHO. (NPA, Section IV.F.4).

The information you provided was forwarded to the following Tribal Nations and NHOs. If a Tribal Nation or NHO does not respond within a reasonable time, you should make a reasonable effort at follow-up contact, unless the Tribal Nation or NHO has agreed to different procedures (NPA, Section IV.F.5). In the event a Tribal Nation or NHO does not respond to a follow-up inquiry, or if a substantive or procedural disagreement arises between you and a Tribal Nation or NHO, you must seek guidance from the Commission (NPA, Section IV.G). These procedures are further set forth in the FCC's Declaratory Ruling released on October 6, 2005 (FCC 05-176).

1. Chief Leo R Henry - Tuscarora Nation - Via: Lewiston, NY - regular mail

Details: If the Applicant/tower builder receives no response from the Tuscarora Nation within 30 days after notification through TCNS, the Tuscarora Nation has no interest in participating in pre-construction review for the site. The Applicant/tower builder, however, must IMMEDIATELY notify the Tuscarora Nation in the event archaeological properties or human remains are discovered during construction.

2. THPO Robin Dushane - Eastern Shawnee Tribe of Oklahoma - Wyandotte, OK - regular mail
Details: NOTE: CHANGE IN CONSULTATION PROCEDURES AND FEE

The Cultural Preservation Office of the Eastern Shawnee Tribe of Oklahoma requires the following information and fees regarding all proposed FFC projects.

Please do not email documentation; it will be deleted without being opened. Mail one printed color copy of all documentation accompanied with a CD version.

Please submit by US postal mail or other parcel carrier all of the following information for all FCC projects:

1. A 1-page cover letter with the following information:
 - a) TCNS number
 - b) Company name
 - c) Project name, city, county, state
 - d) Project type
 - e) UTM coordinates using WGS84 (G1150)
 - f) Total area surveyed in acres
 - g) Contact information.
2. Professional cultural/archaeological resource survey report.
3. Aerial and color USGS topographic maps locating project area within the state, county, and local area.
4. Aerial, color USGS topographic, or planimetric maps locating tower site, APE, access road, utility easement, guy wire locations surveyed, surveyed staging areas, and known archaeological/historic sites.
5. Project site plan map depicting labeled shovel test locations.
6. Shovel test log.
7. Site photographs.
8. A copy of the review letter or TCNS e-response from the State Historic Preservation Office and all other state-mandated review offices.
9. Submit a \$550.00 per/tower fee for administration, data processing, handling, research, and review. Collocations, PTC poles, and projects in previously disturbed locations require a \$100.00 fee. Make the check payable to the Eastern Shawnee Tribe of Oklahoma. On the memo line write all TCNS numbers.

NOTE: Effective November 1, 2014, for TCNS #119606 and forward, regarding collocations, PTC poles, and projects in previously disturbed locations; the administration, data processing, handling, research and review fee will decrease to \$100.00.

10. THE EASTERN SHAWNEE TRIBE'S NEW CONSULTATION PROCEDURES DOCUMENT is available by email and is highly recommended for guidance. Send an email to Dee Gardner at: celltower@estoo.net.

If the applicant/tower builder receives no response from the Eastern Shawnee Tribe of Oklahoma within 30 days after notification through TCNS, the Eastern Shawnee Tribe of Oklahoma has no interest in participating in pre-construction review for the proposed site. The Applicant/tower builder, however, must immediately notify the Eastern Shawnee Tribe of Oklahoma in the event archaeological properties or human remains are discovered during construction, consistent with Section IX of the Nationwide Programmatic Agreement and applicable law.

3. THPO Kim Jumper - Shawnee Tribe - Miami, OK - regular mail

Details: THIS IS YOUR OFFICIAL NOTICE THAT THE SHAWNEE TRIBE IS INTERESTED IN CONSULTING ON ALL PROJECTS BUILT IN OUR AREAS OF GEOGRAPHIC INTEREST.

ATTENTION, NEW INFORMATION: Our procedures were updated on 14 January 2008. Please call Kim Jumper, THPO, at 918-542-2441, so that she can send you a copy.

If your tower is a co-location, please fax us this information to let us know. We cannot always tell from the TCNS web site that a tower is a co-location. We require a written response from you to let us know that it is a co-location. If a co-location project includes some new ground disturbance (such as from an expanded compound or access road, or construction of an ancillary structure), the Shawnee Tribe treats such a project the same as any other non co-location project.

Our correct mailing/physical address is: 29 South Highway 69A. Our correct phone number is (918-542-2441) and our historic preservation fax line is (918-542-9915). THPO Kim Jumper manages all cell tower consultation.

As of 26 June 2006, all of the faxed responses of our final comments on a tower site will contain an original Shawnee Tribe signature. Each final comment fax is signed individually. Copies may be compared, for authentication, against the original in our files. If a final comment fax does not contain a signature, it is not valid. ALL FINAL COMMENTS FROM THE SHAWNEE TRIBE ARE WRITTEN; FINAL COMMENTS ARE NEVER PROVIDED VERBALLY. IF THE SHAWNEE TRIBE IS CREDITED WITH HAVING GIVEN A VERBAL RESPONSE, THAT RESPONSE IS NOT VALID.

If you receive notification through the TCNS listing the Shawnee Tribe, that is an indication that the Shawnee Tribe is interested in consulting on the tower for which that notification was received. Please consider that our official indication of interest to you. The Shawnee Tribe considers the Tower Construction Notification System's weekly e-mail to be the first notification that we receive that a tower will be constructed in an area of our concern. We do not view the TCNS notification as completion of 106 consultation obligations.

The Shawnee Tribe has developed streamlined consultation procedures for cell tower developers and their subcontractors. If you do not have a copy of the procedures - most recently updated on 14 January 2008 - please contact us, as you must follow these procedures to consult with us on cell tower projects. Call us at 918-542-2441 or fax us at 918-542-9915. It is the tower builder's responsibility to make sure that you have our most recent consultation procedures.

PLEASE DO NOT SEND US INFORMATION, QUERIES, OR COMMENTS ELECTRONICALLY. SINCE 1 DECEMBER 2005, WE HAVE NOT HANDLED ANY CELL TOWER CONSULTATION, INQUIRIES, OR CORRESPONDENCE VIA E-MAIL.

4. THPO and Executive Director Dr. Wenonah G Haire - Catawba Indian Nation Cultural Preservation Project - Rock Hill, SC - electronic mail and regular mail

Details: The Catawba Indian Nation Tribal Historic Preservation Office requests that you send us by regular mail the following information needed to complete our research for your proposed project (including ALL Positive Train Control (PTC) projects):

Project Name_____

Project Number_____

_____1. The name, complete address, phone number, fax number and e-mail address of the project manager.

_____2. The project location plotted on a topo map.

_____3. The project name, address and location; street or highway, city, county, state.

_____4. A brief description of the proposed project. Please include the size of the proposed project site and the size of the area where ground-disturbing activities will be taking place and the type of disturbance anticipated.

_____5. A brief description of current and former land use. We are primarily interested in ground disturbance and do not need detailed information or photographs of historic structures in the project area.

_____6. A list of all recorded archaeological sites within one half (1/2) mile of the project area.

_____7. A list of all eligible and potentially eligible National Register of Historic Places sites within one half (1/2) mile of the proposed project area.

_____8. If there has been an archaeological survey done in the area, a copy of that report.

_____9. It is not necessary to send original color photos if you can provide high-resolution color copies.

_____10. A letter of concurrence from the appropriate State Historic Preservation Office.

If you use the FCC Form 620, please do not send Attachments 1 through 6. They are not necessary for our determination. We do not have an interest in projects that require no ground disturbance.

Please note: Our research/processing fee is \$400. Please send these requested materials in hard copy format. Send to:

CIN-THPO
1536 Tom Steven Road
Rock Hill, S.C. 29730

The information you provided was also forwarded to the following SHPOs in the State in which you propose to construct and neighboring States. The information was provided to these SHPOs as a courtesy for their information and planning. You need make no effort at this time to follow up with any SHPO that does not respond to this notification. Prior to construction, you must provide the SHPO of the State in which you propose to construct (or the Tribal Historic Preservation Officer, if the project will be located on certain Tribal lands), with a Submission Packet pursuant to Section VII.A of the NPA.

5. Environmental Review Coordinator Renee GledhillEarley - NC State Historic Preservation Office - Raleigh, NC - electronic mail

6. Deputy SHPO David Brook - Historic Preservation Office - Raleigh, NC - electronic mail

"Exclusions" above set forth language provided by the Tribal Nation or SHPO. These exclusions may indicate types of PTC wayside pole notifications that the Tribal Nation or SHPO does not wish to review. TCNS automatically forwards all notifications to all Tribal Nations and SHPOs that have an expressed interest in the geographic area of a proposal. However, if a proposal falls within a designated exclusion, you need not expect any response and need not pursue any additional process with that Tribal Nation or SHPO. Exclusions may also set forth policies or procedures of a particular Tribal Nation or SHPO (for example, types of information that a Tribal Nation routinely requests, or a policy that no response within 30 days indicates no interest in participating in pre-construction review).

Please be advised that the FCC cannot guarantee that the contact(s) listed above opened and reviewed an electronic or regular mail notification. The following information relating to the proposed tower was forwarded to the person(s) listed above:

Notification Received: 07/27/2015
Notification ID: 129667
Tower Owner Individual or Entity Name: Person County
Consultant Name: Andrew B Blake
Street Address: 326 Tryon Road
City: Raleigh
State: NORTH CAROLINA
Zip Code: 27603-3530
Phone: 919-661-6351
Email: ablake@tepgroup.net

Structure Type: LTOWER - Lattice Tower
Latitude: 36 deg 30 min 28.8 sec N
Longitude: 78 deg 55 min 4.9 sec W

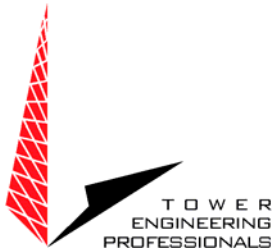
Location Description: Claude Hall Road
City: Roxboro
State: NORTH CAROLINA
County: PERSON
Detailed Description of Project:
Ground Elevation: 183.9 meters
Support Structure: 91.4 meters above ground level
Overall Structure: 97.5 meters above ground level
Overall Height AMSL: 281.4 meters above mean sea level

If you have any questions or comments regarding this notice, please contact the FCC using the electronic mail form located on the FCC's website at:

<http://wireless.fcc.gov/outreach/notification/contact-fcc.html>.

You may also call the FCC Support Center at (877) 480-3201 (TTY 717-338-2824). Hours are from 8 a.m. to 7:00 p.m. Eastern Time, Monday through Friday (except Federal holidays). To provide quality service and ensure security, all telephone calls are recorded.

Thank you,
Federal Communications Commission



September 8, 2015

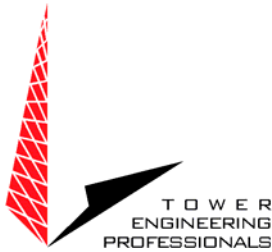
Eastern Shawnee Tribe of Oklahoma
Cultural Preservation Department
70500 East 128 Road
Wyandotte, OK 74370

Attention: Ms. Robin Dushane
Acting Cultural Preservation Department Director

Subject: Proposed 300-ft (320-ft with appurt.) Self-Support Emergency Services
Tower
Person County Emergency Services Site: **Bethel Hill**
TCNS# 129667, filed 7/27/2015
Claude Hall Road
Roxboro, NC 27574
(Person County)

Dear Ms. Dushane:

Tower Engineering Professionals, Inc. of Raleigh, NC has been contracted by Person County Emergency Services to complete a NEPA Checklist (FCC Compliance Audit) for the aforementioned proposed 300-ft (320-ft AGL with appurtenances) self-support emergency services tower that will be located north of a portion of Berry Hill Road, northeast of a portion of Claude Hall Road, and west of a portion of Bethel Hill School Road, and north-northeast of the City of Roxboro, in Person County, North Carolina. The proposed communications tower facility will be located on the northeastern portion of an approximately 35.48-acre property, identified as PIN # 0020-00-33-6533.000 by the Person County, NC Tax Assessors Office. Access to the site will be provided by a proposed 25-ft wide access & utility easement that will proceed north-northeast from a portion of Claude Hall Road for approximately 1,600-ft along an existing earthen road and through a fallow agricultural field until reaching the proposed irregularly shaped lease area. The potential area of disturbance associated with the proposed irregularly shaped Person County Emergency Services lease area, and 25-ft wide access & utility easement, including an approximately 45-ft x 25-ft turnaround, is anticipated to total approximately 2,975-ft² (0.98-acres) of a forested area, fallow agricultural field and existing gravel road. These areas are herein referred to as the direct effects area of potential effect (APE). The proposed tower is anticipated to be equipped with a dual mode medium intensity lighting system.



The topography of the proposed tower compound is gently sloping to the northwest. The parent property is located in a portion of Person County where the majority of the surrounding area is occupied by undeveloped forested, low density residential, agricultural, and institutional land uses associated with the Bethel Hill Elementary School.

The 1-A coordinates of the tower location are as follows:

Latitude: N 36° 30' 28.825" (NAD 83)
Longitude: W 78° 55' 4.903" (NAD 83)

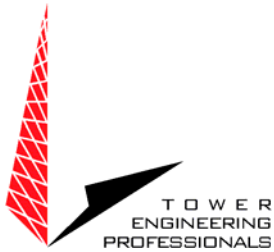
The Standard UTM coordinates* area as follows:

Zone: 17
Hemisphere: N
Easting: 686444.4
Northing: 4042312.1

*Standard UTM coordinates acquired using Montana State University Geographic Unit Converter (<http://www.rcn.montana.edu/resources/converter.aspx>)

Tower Engineering Professionals, Inc. visited the North Carolina State Historic Preservation Office (NC SHPO) website to access the HPOWEB GIS Service on July 27, 2015 to make an assessment of the potential significant impacts to architectural or historic sites in the vicinity of the proposed tower site. An FCC-NPA designated 0.75-mile radius Area of Potential Effect (APE) was established for the proposed 300-ft (320-ft with appurtenances) self-support tower to determine if the proposed tower would have any visual effect on properties listed on or eligible for listing on the National Register of Historic Places. The NCSHPO HPOWEB GIS Service revealed no (0) sites, listed on or eligible for listing on the National Register of Historic Places, were identified within the visual APE.

TEP contracted Environmental Services, Inc., a cultural resources consulting firm, to conduct an Archaeological Assessment for the proposed tower site. The results of the assessment indicate that "no archaeological sites were documented within the proposed cell tower compound or access and utility easements." Additionally, Ms. Terri Russ conducted background research at the North Carolina Office of State Archaeology on December 9, 2014 to identify Historic Properties within the direct effects APE associated with the proposed tower, which included a search of archeological site records at the Office of State Archeology in Raleigh, NC. No (0) recorded archeological sites were identified within the



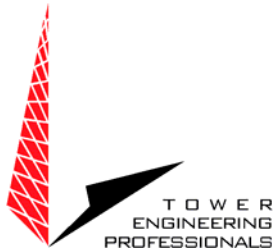
direct effects APE during the background research conducted by Ms. Russ. See attached Archaeological Assessment for additional information. The report has been included for your review.

It is the position of TEP that the proposed tower site does not appear to pose a threat to Native American sites of religious or cultural significance; however, we are requesting a letter from the Eastern Shawnee Tribe to confirm our findings. A portion of the pertinent 7.5-Minute topographic map that depicts the proposed tower location, Archaeological Assessment, site plan, and site photographs have been included for your review. If there are any questions, or if any additional information is needed, please do not hesitate to call. Thank you for your assistance and cooperation.

Sincerely,

A handwritten signature in black ink that reads "Lindsey J. Woolridge".

Lindsey Woolridge
Environmental Project Manager
Tower Engineering Professionals, Inc.



August 5, 2014

Shawnee Tribe
Tribal Historic Preservation Office
29 South Highway 69A
Miami, OK 74354

Attention: Kim Jumper

Subject: Proposed 300-ft (320-ft with appurt.) Self-Support Emergency Services Tower
Person County Emergency Services Site: **Bethel Hill**
TCNS# 129667, filed 7/27/2015
Claude Hall Road
Roxboro, NC 27574
(Person County)

Dear Ms. Jumper,

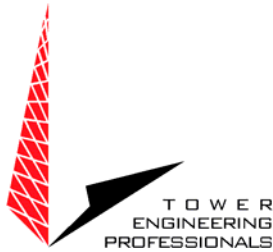
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The topography of the proposed tower compound is gently sloping to the northwest. The parent property is located in a portion of Person County where the majority of the surrounding area is occupied by undeveloped forested, low density residential, agricultural, and institutional land uses associated with the Bethel Hill Elementary School.

The 1-A coordinates of the tower location are as follows:

Latitude: N 36° 30' 28.825" (NAD 83)
Longitude: W 78° 55' 4.903" (NAD 83)

326 Tryon Rd. Raleigh, NC 27603-3530 O (919) 661-6351 F (919) 661-6350
lwoolridge@tepgroup.net



Tower Engineering Professionals, Inc. visited the North Carolina State Historic Preservation Office (NC SHPO) website to access the HPOWEB GIS Service on July 27, 2015 to make an assessment of the potential significant impacts to architectural or historic sites in the vicinity of the proposed tower site. An FCC-NPA designated 0.75-mile radius Area of Potential Effect (APE) was established for the proposed 300-ft (320-ft with appurtenances) self-support tower to determine if the proposed tower would have any visual effect on properties listed on or eligible for listing on the National Register of Historic Places. The NCSHPO HPOWEB GIS Service revealed no (0) sites, listed on or eligible for listing on the National Register of Historic Places, were identified within the visual APE.

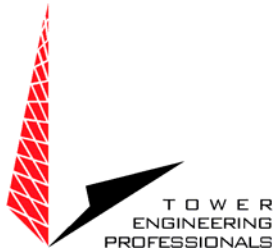
TEP contracted Environmental Services, Inc., a cultural resources consulting firm, to conduct an Archaeological Assessment for the proposed tower site. The results of the assessment indicate that "no archaeological sites were documented within the proposed cell tower compound or access and utility easements." Additionally, Ms. Terri Russ conducted background research at the North Carolina Office of State Archaeology on July 20, 2015 to identify Historic Properties within the direct effects APE associated with the proposed tower, which included a search of archeological site records at the Office of State Archeology in Raleigh, NC. No (0) recorded archeological sites were identified within the direct effects APE during the background research conducted by Ms. Russ. See attached Archaeological Assessment for additional information. The report has been included for your review.

It is the position of TEP that the proposed tower site does not appear to pose a threat to Native American sites of religious or cultural significance; however, we are requesting a letter from the Shawnee Tribe to confirm our findings. A portion of the pertinent 7.5-Minute topographic map that depicts the proposed tower location, Archaeological Assessment, site plan, and site photographs have been included for your review. If there are any questions, or if any additional information is needed, please do not hesitate to call. Thank you for your assistance and cooperation.

Sincerely,

A handwritten signature in black ink that reads "Lindsey J. Woolridge".

Lindsey Woolridge
Environmental Project Manager
Tower Engineering Professionals, Inc.



August 5, 2015

Catawba Indian Nation Cultural Preservation
1536 Tom Stevens Road
Rock Hill, South Carolina 29730

Attention: Dr. Wenonah Haire
Review & Compliance Coordinator

Subject: Proposed 300-ft (320-ft with appurt.) Self-Support Emergency Services Tower
Person County Emergency Services Site: **Bethel Hill**
TCNS# 129667, filed 7/27/2015
Claude Hall Road
Roxboro, NC 27574
(Person County)

Dear Dr. Haire,

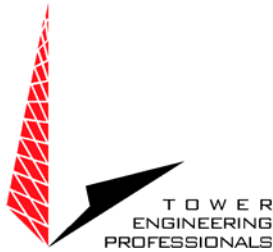
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326 Tryon Rd. Raleigh, NC 27603-3530 O) (919) 661-6351 F) (919) 661-6350
lwoolridge@tepgroup.net



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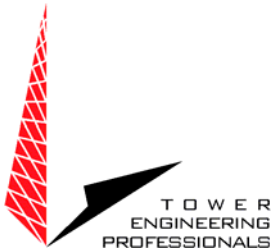
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It is the position of TEP that the proposed tower site does not appear to pose a threat to Native American sites of religious or cultural significance; however, we are requesting a letter from the Catawba Indian Nation to confirm our findings. A portion of the pertinent 7.5-Minute topographic map that depicts the proposed tower location, Archaeological Assessment, site plan, and site photographs have been included for your review. If there are any questions, or if any additional information is needed, please do not hesitate to call. Thank you for your assistance and cooperation.

Sincerely,

Lindsey Woolridge

Environmental Project Manager
Tower Engineering Professionals, Inc.



August 5, 2015

Person County Planning & Zoning Department
325 S. Morgan Street
Roxboro, NC 27573

Attention: Michael Ciriello, Director

Subject: Proposed 300-ft (320-ft with appurt.) Self-Support Emergency Services Tower
Person County Emergency Services Site: **Bethel Hill**
TCNS# 129667, filed 7/27/2015
Claude Hall Road
Roxboro, NC 27574
(Person County)

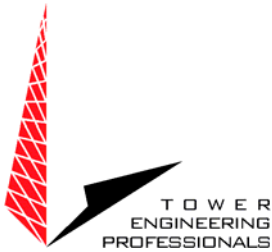
Dear Mr. Ciriello,

Tower Engineering Professionals, Inc. (TEP) of Raleigh, NC has been contracted by Person County Emergency Services to complete a NEPA Checklist (FCC Compliance Audit) for the aforementioned proposed communications tower. As part of the Form-620 Submission to the North Carolina Historic Preservation Office as directed by the FCC-Nationwide Programmatic Agreement (FCC-NPA), Tower Engineering Professionals, Inc. is required to contact your office regarding the proposed undertaking.

The proposed 300-ft (320-ft AGL with appurtenances) self-support emergency services tower will be located north of a portion of Berry Hill Road, northeast of a portion of Claude Hall Road, and west of a portion of Bethel Hill School Road, and north-northeast of the City of Roxboro, in Person County, North Carolina. The proposed communications tower facility will be located on the northeastern portion of an approximately 35.48-acre property, identified as PIN # 0020-00-33-6533.000 by the Person County, NC Tax Assessors Office. Access to the site will be provided by a proposed 25-ft wide access & utility easement that will proceed north-northeast from a portion of Claude Hall Road for approximately 1,600-ft along an existing earthen road and through a fallow agricultural field until reaching the proposed irregularly shaped lease area. The potential area of disturbance associated with the proposed irregularly shaped Person County Emergency Services lease area, and 25-ft wide access & utility easement, including an approximately 45-ft x 25-ft turnaround, is anticipated to total approximately 2,975-ft² (0.98-acres) of a forested area, fallow agricultural field and existing gravel road. These areas are herein referred to as the direct effects area of potential effect (APE). The proposed tower is anticipated to be equipped with a dual mode medium intensity lighting system.

The topography of the proposed tower compound is gently sloping to the northwest. The parent property is located in a portion of Person County where the majority of the surrounding area is occupied by undeveloped forested, low density residential, agricultural, and institutional land uses associated with the Bethel Hill Elementary School.

326 Tryon Rd. Raleigh, NC 27603-5263 O) (919) 661-6351 F) (919) 661-6350
lwoolridge@tepgroup.net



The 1-A coordinates of the tower location are as follows:

Latitude: N 36° 30' 28.825" (NAD 83)

Longitude: W 78° 55' 4.903" (NAD 83)

Tower Engineering Professionals, Inc. visited the North Carolina State Historic Preservation Office (NC SHPO) website to access the HPOWEB GIS Service on July 27, 2015 to make an assessment of the potential significant impacts to architectural or historic sites in the vicinity of the proposed tower site. An FCC-NPA designated 0.75-mile radius Area of Potential Effect (APE) was established for the proposed 300-ft (320-ft with appurtenances) self-support tower to determine if the proposed tower would have any visual effect on properties listed on or eligible for listing on the National Register of Historic Places. The NCSHPO HPOWEB GIS Service revealed no (0) sites, listed on or eligible for listing on the National Register of Historic Places, within the visual APE.

TEP contracted Environmental Services, Inc., a cultural resources consulting firm, to conduct an Archaeological Assessment for the proposed tower site. The results of the assessment indicate that "no archaeological sites were documented within the proposed cell tower compound or access and utility easements." Additionally, Ms. Terri Russ conducted background research at the North Carolina Office of State Archaeology on July 20, 2015 to identify Historic Properties within the direct effects APE associated with the proposed tower, which included a search of archeological site records at the Office of State Archeology in Raleigh, NC. No (0) recorded archeological sites were identified within the direct effects APE during the background research conducted by Ms. Russ. See attached Archaeological Assessment for additional information. The report has been included for your review.

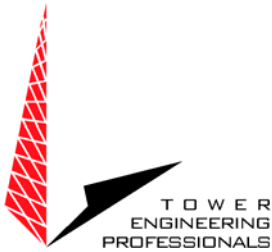
It is the position of TEP that the proposed tower construction will have "no effect" on sites eligible for or listed on the National Register of Historic Places within the APE; however, we would appreciate any comments that you may have on the proposed activity regarding the possible impacts that the proposed facility may have on Historic Properties. Please provide any comments within thirty days of the receipt of this documentation. A portion of the pertinent 7.5-Minute topographic map that depicts the proposed tower location, Archaeological Assessment, site plan, and site photographs have been included for your review. If there are any questions, or if any additional information is needed, please do not hesitate to call. Thank you for your assistance and cooperation.

Sincerely,

A handwritten signature in black ink that reads "Lindsey J. Woolridge".

Lindsey Woolridge
Environmental Project Manager
Tower Engineering Professionals, Inc.

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August 5, 2015

Person County Museum of History
309 North Main Street
Roxboro, NC 27573

Subject: Proposed 300-ft (320-ft with appurt.) Self-Support Emergency Services Tower
Person County Emergency Services Site: **Bethel Hill**
TCNS# 129667, filed 7/27/2015
Claude Hall Road
Roxboro, NC 27574
(Person County)

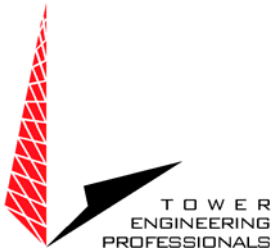
To Whom It May Concern,

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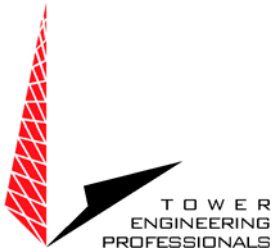
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Sincerely,

Lindsey Woolridge
Environmental Project Manager
Tower Engineering Professionals, Inc.



August 5, 2015

Preservation North Carolina Headquarters
735 9th Street
P.O. Box 3597
Durham, NC 27702

Attention: Cathleen Turner, Regional Director

Subject: Proposed 300-ft (320-ft with appurt.) Self-Support Emergency Services Tower
Person County Emergency Services Site: **Bethel Hill**
TCNS# 129667, filed 7/27/2015
Claude Hall Road
Roxboro, NC 27574
(Person County)

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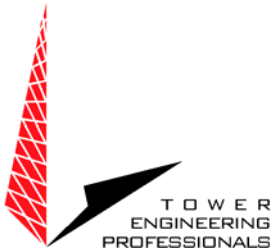
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Lindsey Woolridge
Environmental Project Manager
Tower Engineering Professionals, Inc.

STATE OF NORTH CAROLINA,
PERSON COUNTY

PRINTER'S AFFIDAVIT

T.P. Brinn Clayton, being duly sworn,

deposes and says: That he/she is Publisher of

The Courier-Times, with its principle place of business

located in the city of Roxboro, County of Person, State

of North Carolina; that the foregoing or attached

newspaper notice was published in The Courier-Times,

once a week for 1 successive weeks, beginning with

its issue of 1st day of August, 2015,

and ending with its issue of 1st day of

August, 2015; that The Courier-Times, is

the sole owner and publisher of said newspaper,

The Courier-Times.

[Signature] (Affiant)

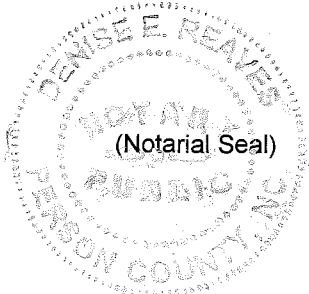
Sworn to and subscribed before me,

this the 4th day of August, 2015

Denise E. Reaves (Notary Public)

My commission expires the 29th day of September, 2019

(Publication Fee \$ 39.06)



PUBLIC NOTICE

Person County Emergency Services proposes the construction of a 300-ft AGL Self-Support Emergency Services Tower (320-ft with appurtenances), that will be located north of a portion of Berry Hill Road, northeast of a portion of Claude Hall Road, and west of a portion of Bethel Hill School Road, and north-northeast of the City of Roxboro, in Person County, North Carolina (Person County PIN # 0020-00-33-6533.000).

Please submit any written comments by August 31, 2015 regarding the potential effects that the proposed tower may have on Historic Properties that are listed or eligible for inclusion on the National Register of Historic Places to:

Tower Engineering Professionals, Inc.
(Attn: George Swearingen)

326 Tryon Road
Raleigh, NC 27603

Telephone: (919) 661-6351
Fax: (919) 661-6350

Aug. 1, 2015



1) Photo facing north from Claude Hall Road along the proposed access and utility easement.



2) Photo facing north along the proposed access and utility easement.



3) Photo facing south from proposed stream crossing along the proposed access and utility easement.



4) Photo facing north from the proposed stream crossing along the proposed access and utility easement.



5) Photo facing north along the proposed access and utility easement.



6) Photo facing south along the proposed access and utility easement.



7) Photo facing north from the proposed tower centerline.



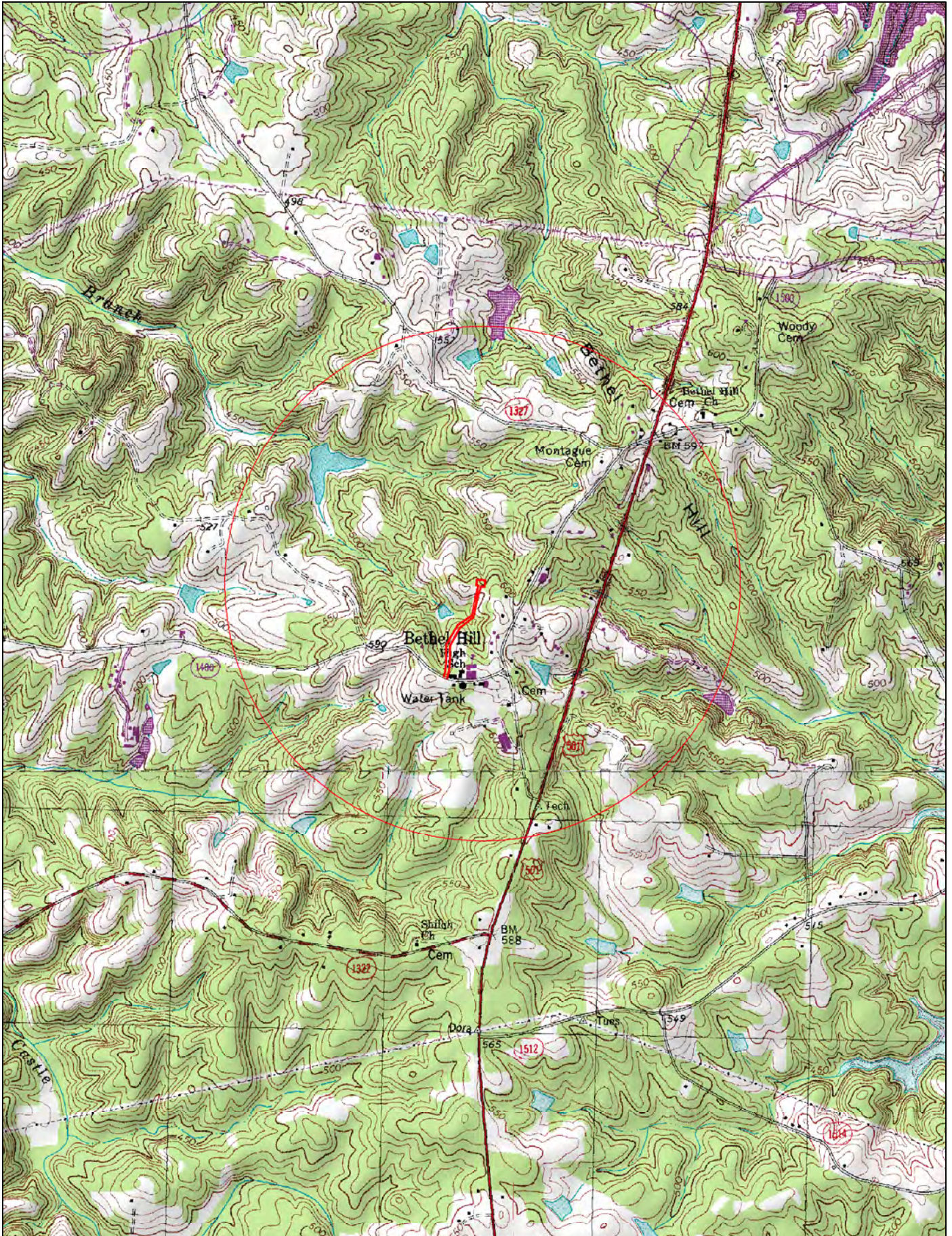
8) Photo facing south from the proposed tower centerline.



9) Photo facing east from the proposed tower centerline.



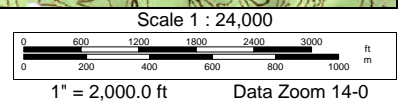
10) Photo facing west from the proposed tower centerline.



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www.delorme.com





Google earth

feet | 1000
meters | 300

